

# Industrial supplies for watchmaking

## Schurch Asco SA

all around the world



**Schurch Asco SA**

Av. du Premier Mars 33

CP 3052

CH-2001 Neuchâtel

SUISSE



Tel: +41 32 724 34 34

Fax: +41 32 724 34 36



info@schurch-asco.com

www.schurch-asco.com

# 1 TAPS AND SCREW-PLATES

ASCO  
S.O. 80  
NIHS No. 89

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# 2 CUTTING TOOLS

# 3 MACHINES

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# 4 BELT

# 5 GRINDING-WHEELS

# 6 ABRASIVES

ORIENTAL LEVANSKI

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| Plier ESX-9.....                         | 134 | Whirling Milling-Cutter Partial profile .....     | 24  |
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## PLACEMENT OF YOUR ORDERS

**PRICES** are just an indication and do not include (if not contrarily mentioned) VAT, carriage, and packaging. The augmentation or the reduction mentioned are intended for the ordered quantity in one single order. If not contrarily mentioned, prices are meant apiece or by meter for the belts, the pipes and the ropes.

**EXPEDITION** is done from our office in Neuchâtel. All the articles that have a reference number are, generally, in stock. A longer period is to be expected for other articles. Orders placed by phone or by fax until 15h00 are dispatched the same day if the articles are in stock. We invite you to indicate the reference number (Ref).

**INCOTERMS: EXW**

**ARTICLES** on sale are not all in this catalogue. You can get more informations by calling one of our co-workers during the opening hours. All the **dimensions** are indicated in **millimetres**, if not contrarily mentioned.

**COMPLAINTS** can be addressed to our customers service during the opening hours.

**OPENING HOURS:** Monday to Thursday, from 07h45 to 11h45 and from 13h30 to 17h30.  
Friday, from 07h45 to 11h45 and from 13h30 to 17h00.

**CONDITIONS OF SALE:** they are mentioned after the article, group of articles or on the bottom of the page.

### STANDARDIZATION OF THE TAPS:

#### Production

For the orders of taps, only the S standard is applied under 1.00 mm. For superior dimensions, S or M variants are available (see the below table). In any case, we advise the S standard for the assembling precision with the 5h3 screws.

NIHS standard taps: S 0.30 to S 1.50 and M 1.00 to M 6.00

**Pairing:** in order to reduce the play, taps can be ordered by 0.01 (see the below table).

Example: S 1.00 -0.01, S 1.00 -0.02, S 1.00 -0.03, S 1.00 +1.00

#### Control

For good controls, the gauges must be ordered according to the taps.

Standard mini and maxi gauge S 0.30 to S 1.50 and M 1.00

The gauges and the taps over- and under-dimensioned need a longer delivering time.

3G, 4H: tolerance

FL D<sub>2</sub>: thread flank dimension

FI D<sub>2</sub> -0.0X: thread flank tolerance minus the under or over-dimension.

| 3G   | FL D <sub>2</sub> | FL D <sub>2</sub> -0.01 | FL D <sub>2</sub> -0.02 | FL D <sub>2</sub> -0.03 | FL D <sub>2</sub> +0.01 | 4H   | FL D <sub>2</sub> | FL D <sub>2</sub> -0.01 | FL D <sub>2</sub> -0.02 | FL D <sub>2</sub> -0.03 | FL D <sub>2</sub> +0.01 |
|------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 0.30 | 0.264             | 0.254                   | 0.244                   | 0.234                   | 0.274                   | 1.00 | 0.868             | 0.858                   | 0.848                   | 0.838                   | 0.878                   |
| 0.35 | 0.309             | 0.299                   | 0.289                   | 0.279                   | 0.319                   | 1.10 | 0.968             | 0.958                   | 0.948                   | 0.938                   | 0.978                   |
| 0.40 | 0.353             | 0.343                   | 0.333                   | 0.323                   | 0.363                   | 1.20 | 1.068             | 1.058                   | 1.048                   | 1.038                   | 1.078                   |
| 0.50 | 0.440             | 0.430                   | 0.420                   | 0.410                   | 0.450                   | 1.30 | 1.141             | 1.131                   | 1.121                   | 1.111                   | 1.151                   |
| 0.60 | 0.525             | 0.515                   | 0.505                   | 0.495                   | 0.535                   | 1.40 | 1.241             | 1.231                   | 1.221                   | 1.211                   | 1.251                   |
| 0.70 | 0.612             | 0.602                   | 0.592                   | 0.582                   | 0.622                   | 1.50 | 1.341             | 1.331                   | 1.321                   | 1.311                   | 1.351                   |
| 0.80 | 0.698             | 0.688                   | 0.678                   | 0.668                   | 0.708                   | 1.60 | 1.416             | 1.406                   | 1.396                   | 1.386                   | 1.426                   |
| 0.90 | 0.784             | 0.774                   | 0.764                   | 0.754                   | 0.794                   | 1.70 | 1.516             | 1.506                   | 1.496                   | 1.486                   | 1.526                   |
| 1.00 | 0.872             | 0.862                   | 0.852                   | 0.842                   | 0.882                   | 1.80 | 1.616             | 1.606                   | 1.596                   | 1.586                   | 1.626                   |
| 1.10 | 0.972             | 0.962                   | 0.952                   | 0.942                   | 0.982                   | 2.00 | 1.785             | 1.775                   | 1.765                   | 1.755                   | 1.795                   |
| 1.20 | 1.072             | 1.062                   | 1.052                   | 1.042                   | 1.082                   | 2.20 | 1.956             | 1.946                   | 1.936                   | 1.926                   | 1.966                   |
| 1.30 | 1.142             | 1.132                   | 1.122                   | 1.112                   | 1.152                   | 2.30 | 2.085             | 2.075                   | 2.065                   | 2.055                   | 2.095                   |
| 1.40 | 1.242             | 1.232                   | 1.222                   | 1.212                   | 1.252                   | 2.40 | 2.156             | 2.146                   | 2.136                   | 2.126                   | 2.166                   |
| 1.50 | 1.342             | 1.332                   | 1.322                   | 1.312                   | 1.352                   | 2.50 | 2.256             | 2.246                   | 2.236                   | 2.226                   | 2.266                   |
|      |                   |                         |                         |                         |                         | 2.60 | 2.356             | 2.346                   | 2.336                   | 2.326                   | 2.366                   |
|      |                   |                         |                         |                         |                         | 3.00 | 2.725             | 2.715                   | 2.705                   | 2.695                   | 2.735                   |
|      |                   |                         |                         |                         |                         | 3.50 | 3.166             | 3.156                   | 3.146                   | 3.136                   | 3.176                   |
|      |                   |                         |                         |                         |                         | 4.00 | 3.604             | 3.594                   | 3.584                   | 3.574                   | 3.614                   |
|      |                   |                         |                         |                         |                         | 4.50 | 4.072             | 4.062                   | 4.052                   | 4.042                   | 4.082                   |
|      |                   |                         |                         |                         |                         | 5.00 | 4.543             | 4.533                   | 4.523                   | 4.513                   | 4.553                   |



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

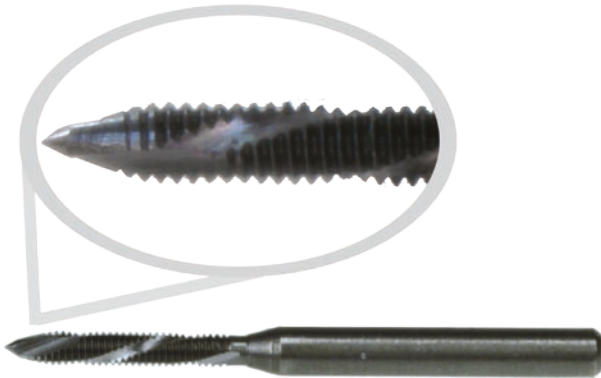
PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## 1. TAPS AND SCREW-PLATES



### ASCO machine Tap

for horology and equipment

high-speed steel

### SPIROLEX 10 / 3G NIHS

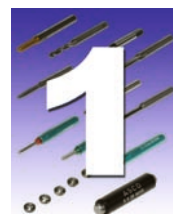
For brass, traversing holes, with 2 helicoidal grooves. Helix at left, perfectly countersinking the chips towards the front. E.g.: for the horological plates. For execution with long shaft for Hauser 570 and Emissa head see page 6.

| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01020 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.20 |
| 01021 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.20 |
| 01022 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.30 |
| 01023 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.30 |
| 01024 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.50 |
| 01025 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.50  |
| 01026 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.50  |
| 01027 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.50  |
| 01028 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.50  |
| 01029 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.50  |
| 01030 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.50  |
| 01031 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.50  |
| 01032 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 7.90  |
| 01033 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 7.90  |
| 01034 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 7.90  |
| 01035 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 7.90  |
| 01036 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 7.90  |
| 01037 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.60  |
| 01038 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.60  |
| 01039 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.60  |
| 01040 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.60  |
| 01041 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.60  |
| 01042 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.60  |
| 01043 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.00 |
| 01044 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.00 |
| 01045 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.50 |
| 01046 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.50 |
| 01047 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 12.90 |
| 01049 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the diameter of identical shafts of the ordered articles

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |





## ASCO machine Tap

for horology and equipment

high-speed steel

**SPIROLEX 20 / 3G NIHS**

For thin steel, traversing holes, with 2 helicoidal grooves. Helix at left, perfectly countersinking the chips towards the front. E.g.: for pull-out pieces, top balance-endpieces, steel plates, etc.



| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01080 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.20 |
| 01081 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.20 |
| 01082 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.30 |
| 01083 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.30 |
| 01084 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.50 |
| 01085 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.50  |
| 01086 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.50  |
| 01087 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.50  |
| 01088 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.50  |
| 01089 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.50  |
| 01090 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.50  |
| 01091 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.50  |
| 01092 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 7.90  |
| 01093 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 7.90  |
| 01094 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 7.90  |
| 01095 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 7.90  |
| 01096 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 7.90  |
| 01097 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.60  |
| 01098 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.60  |
| 01099 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.60  |
| 01100 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.60  |
| 01101 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.60  |
| 01102 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.60  |
| 01103 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.00 |
| 01104 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.00 |
| 01105 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.50 |
| 01106 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.50 |
| 01107 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 12.90 |
| 01109 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



# Schurch Asco SA



*Partenaire et Savoir-faire*

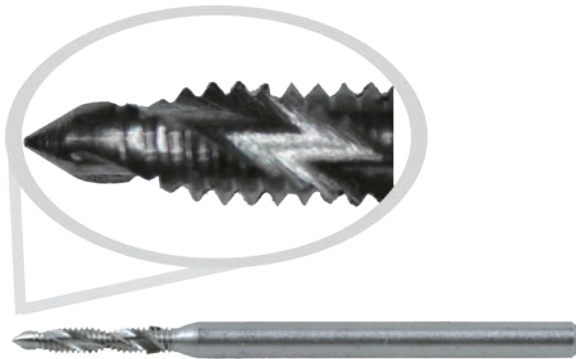
AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



*ASCO machine Tap  
for horology and equipment  
high-speed steel*

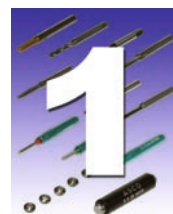
**SPIROLEX 30 / 3G NIHS**

For brass blind holes, with 2 helicoidal grooves. Helix at right, perfectly countersinking the chips towards the back. For automatic lathe and tapping-machine. For execution with long shaft for Hauser 570 and Emissa head, see page 8.

| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01140 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.20 |
| 01141 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.20 |
| 01142 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.30 |
| 01143 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.30 |
| 01144 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.50 |
| 01145 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.50  |
| 01146 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.50  |
| 01147 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.50  |
| 01148 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.50  |
| 01149 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.50  |
| 01150 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.50  |
| 01151 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.50  |
| 01152 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 7.90  |
| 01153 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 7.90  |
| 01154 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 7.90  |
| 01155 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 7.90  |
| 01156 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 7.90  |
| 01157 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.60  |
| 01158 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.60  |
| 01159 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.60  |
| 01160 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.60  |
| 01161 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.60  |
| 01162 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.60  |
| 01163 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.00 |
| 01164 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.00 |
| 01165 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.50 |
| 01166 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.50 |
| 01167 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 12.90 |
| 01169 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

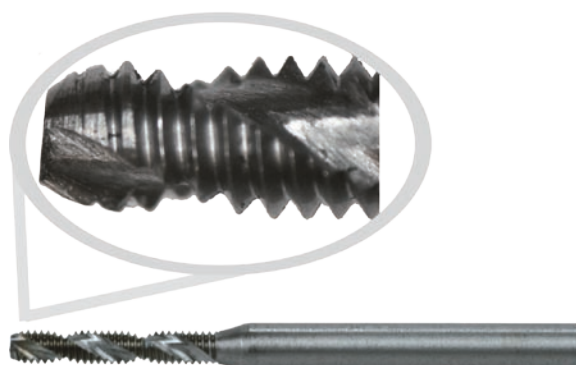
|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



ASCO machine Tap  
for horology and equipment  
high-speed steel  
SPIROLEX 35 / 3G NIHS

For brass, traversing or blind holes with 2 helicoidal grooves.

Identical to n° 30 but without point.



| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01500 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.50 |
| 01501 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.50 |
| 01502 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.60 |
| 01503 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.60 |
| 01504 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.80 |
| 01505 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.80  |
| 01506 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.80  |
| 01507 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.80  |
| 01508 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.80  |
| 01509 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.80  |
| 01510 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.80  |
| 01511 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.80  |
| 01512 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 8.20  |
| 01513 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 8.20  |
| 01514 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 8.20  |
| 01515 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 8.20  |
| 01516 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 8.20  |
| 01517 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.90  |
| 01518 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.90  |
| 01519 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.90  |
| 01520 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.90  |
| 01521 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.90  |
| 01522 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.90  |
| 01523 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.30 |
| 01524 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.30 |
| 01525 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.80 |
| 01526 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.80 |
| 01527 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 13.20 |
| 01529 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 13.20 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## ASCO machine Tap

for horology and equipment  
high-speed steel

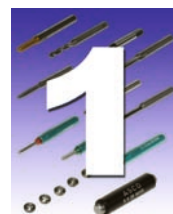
### SPIROLEX 40 / 3G NIHS

For brass, blind or traversing holes, with 2 straight grooves.  
For automatic lathe and tapping-machine.

| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01200 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.20 |
| 01201 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.20 |
| 01202 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.30 |
| 01203 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.30 |
| 01204 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.50 |
| 01205 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.50  |
| 01206 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.50  |
| 01207 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.50  |
| 01208 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.50  |
| 01209 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.50  |
| 01210 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.50  |
| 01211 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.50  |
| 01212 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 7.90  |
| 01213 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 7.90  |
| 01214 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 7.90  |
| 01215 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 7.90  |
| 01216 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 7.90  |
| 01217 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.60  |
| 01218 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.60  |
| 01219 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.60  |
| 01220 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.60  |
| 01221 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.60  |
| 01222 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.60  |
| 01223 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.00 |
| 01224 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.00 |
| 01225 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.50 |
| 01226 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.50 |
| 01227 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 12.90 |
| 01229 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |

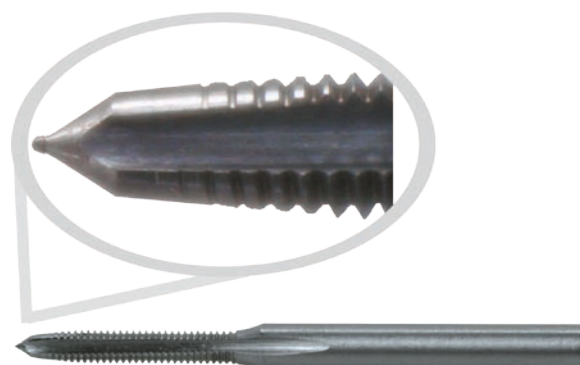


## ASCO machine Tap

for horology and equipment  
high-speed steel

### SPIROLEX 50 / 3G NIHS

For steel, for blind with 3 straight grooves. Good resistance to breakage. For automatic lathe and tapping-machine.



| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01260 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.20 |
| 01261 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.20 |
| 01262 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.30 |
| 01263 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.30 |
| 01264 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.50 |
| 01265 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.50  |
| 01266 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.50  |
| 01267 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.50  |
| 01268 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.50  |
| 01269 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.50  |
| 01270 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.50  |
| 01271 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.50  |
| 01272 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 7.90  |
| 01273 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 7.90  |
| 01274 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 7.90  |
| 01275 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 7.90  |
| 01276 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 7.90  |
| 01277 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.60  |
| 01278 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.60  |
| 01279 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.60  |
| 01280 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.60  |
| 01281 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.60  |
| 01282 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.60  |
| 01283 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.00 |
| 01284 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.00 |
| 01285 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.50 |
| 01286 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.50 |
| 01287 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 12.90 |
| 01289 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



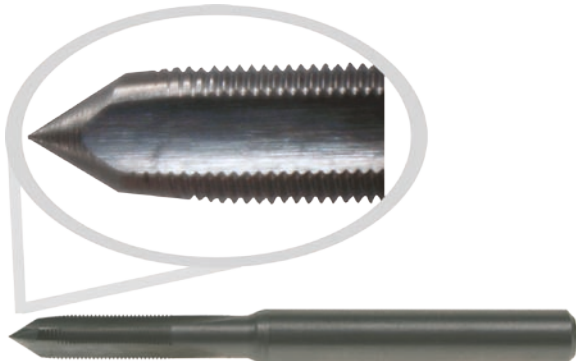
# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## ASCO machine Tap Special profiles with fine pitch HSSE/PM TYPE N ° 50

For steel, through or blind holes with 3 straight grooves. Good resistance to breakage. For lathe (automatic lathe) and tapping machine.

Thread MF DIN 13 Fine pitch

ISO 1 Tolerance: Step 0.08 => 1.00 ISO1 (4H)

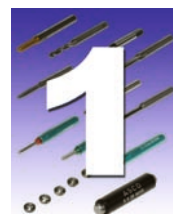
ISO 2 Tolerance: Step 0.08 => 0.225 ISO2 (5H)

ISO 2 Tolerance: Step 0.25 => 1.00 ISO2 (6H)

| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|
| 16813 | M 0.80    | 0.10  | 1.50    | 25      | 5        | 0.83       | 0.65       | 17.20 |
| 16814 | M 0.80    | 0.125 | 1.50    | 25      | 4        | 0.82       | 0.675      | 17.20 |
| 16815 | M 0.80    | 0.15  | 1.50    | 25      | 5        | 0.82       | 0.70       | 17.20 |
| 16822 | M 1.00    | 0.15  | 1.50    | 25      | 6        | 1.03       | 0.85       | 17.20 |
| 16823 | M 1.00    | 0.20  | 1.50    | 25      | 6        | 1.03       | 0.80       | 17.20 |
| 16824 | M 1.20    | 0.20  | 1.50    | 25      | 7        | 1.23       | 1.00       | 14.30 |
| 16825 | M 1.20    | 0.15  | 1.50    | 25      | 7        | 1.23       | 1.05       | 14.30 |
| 16826 | M 1.40    | 0.20  | 2.00    | 30      | 8.5      | 1.43       | 1.20       | 14.30 |
| 16827 | M 1.40    | 0.25  | 2.00    | 30      | 8.5      | 1.44       | 1.15       | 14.30 |
| 16816 | M 1.60    | 0.20  | 2.00    | 30      | 10       | 1.63       | 1.40       | 14.30 |
| 16817 | M 1.60    | 0.25  | 2.00    | 30      | 10       | 1.64       | 1.35       | 14.30 |
| 16818 | M 1.80    | 0.20  | 2.00    | 30      | 10       | 1.83       | 1.60       | 14.30 |
| 16819 | M 1.80    | 0.25  | 2.00    | 30      | 10       | 1.84       | 1.55       | 14.30 |
| 16820 | M 2.00    | 0.20  | 3.00    | 35      | 13       | 2.03       | 1.80       | 17.20 |
| 16821 | M 2.00    | 0.25  | 3.00    | 35      | 13       | 2.04       | 1.75       | 17.20 |
| 16828 | M 2.20    | 0.20  | 3.00    | 35      | 13       | 2.23       | 2.00       | 17.20 |
| 16829 | M 2.20    | 0.25  | 3.00    | 35      | 13       | 2.24       | 1.95       | 17.20 |
| 16830 | M 2.30    | 0.25  | 3.00    | 35      | 13       | 2.34       | 2.05       | 17.20 |
| 16831 | M 2.40    | 0.20  | 3.00    | 35      | 13       | 2.44       | 2.20       | 17.20 |
| 16832 | M 2.50    | 0.20  | 3.00    | 40      | 15       | 2.54       | 2.30       | 17.20 |
| 16833 | M 2.50    | 0.25  | 3.00    | 40      | 15       | 2.54       | 2.25       | 17.20 |
| 16834 | M 2.50    | 0.35  | 3.00    | 40      | 15       | 2.56       | 2.15       | 17.20 |
| 16835 | M 2.80    | 0.25  | 3.00    | 40      | 15       | 2.83       | 2.55       | 17.20 |
| 16836 | M 3.00    | 0.25  | 4.00    | 40      | 16       | 3.03       | 2.75       | 21.45 |
| 16837 | M 3.00    | 0.30  | 4.00    | 40      | 16       | 3.03       | 2.70       | 21.45 |
| 16812 | M 3.00    | 0.35  | 4.00    | 40      | 16       | 3.04       | 2.65       | 21.45 |
| 16811 | M 3.50    | 0.25  | 4.00    | 40      | 16       | 3.54       | 3.25       | 21.45 |
| 16810 | M 3.50    | 0.35  | 4.00    | 40      | 16       | 3.55       | 3.15       | 21.45 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



## ASCO machine Tap

for horology and equipment  
high-speed steel

### SPIROLEX 60 / 3G NIHS

For steel, short type, for blind or traversing holes, with 3 straight grooves. Particularly good resistance to breakage.  
For automatic lathe and tapping-machine.



| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01320 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.20 |
| 01321 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.20 |
| 01322 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.30 |
| 01323 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.30 |
| 01324 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.50 |
| 01325 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.50  |
| 01326 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.50  |
| 01327 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.50  |
| 01328 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.50  |
| 01329 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.50  |
| 01330 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.50  |
| 01331 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.50  |
| 01332 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 7.90  |
| 01333 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 7.90  |
| 01334 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 7.90  |
| 01335 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 7.90  |
| 01336 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 7.90  |
| 01337 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.60  |
| 01338 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.60  |
| 01339 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.60  |
| 01340 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.60  |
| 01341 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.60  |
| 01342 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.60  |
| 01343 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.00 |
| 01344 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.00 |
| 01345 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.50 |
| 01346 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.50 |
| 01347 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 12.90 |
| 01349 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

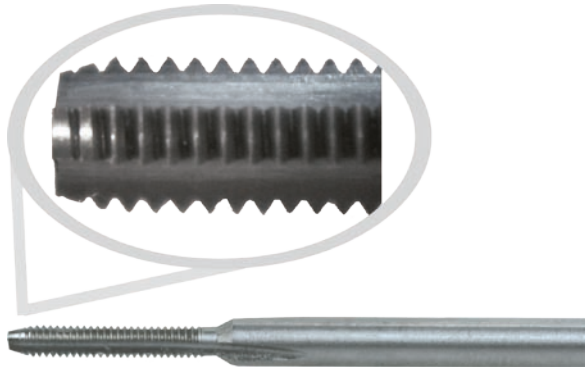
PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## ASCO machine Tap



*Special profiles with fine pitch  
high-speed steel*

### SPIROLEX 65 / 3G NIHS

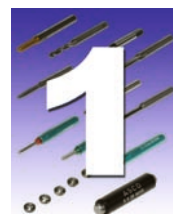
For steel, non-pointed type, for tapping to the bottoms of blind holes, with 3 straight grooves. Identical to n° 60 but without point. For automatic lathe, barrel-arbor and tapping machine.

| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01560 | S 0.30    | 0.080 | 1.00    | 22      | 2.0      | 0.32       | 0.24       | 0.24  | 17.50 |
| 01561 | S 0.35    | 0.090 | 1.00    | 22      | 2.0      | 0.37       | 0.28       | 0.28  | 17.50 |
| 01562 | S 0.40    | 0.100 | 1.00    | 22      | 2.5      | 0.42       | 0.33       | 0.32  | 14.60 |
| 01563 | S 0.50    | 0.125 | 1.00    | 22      | 3.0      | 0.52       | 0.43       | 0.40  | 14.60 |
| 01564 | S 0.60    | 0.150 | 1.00    | 22      | 3.5      | 0.63       | 0.51       | 0.49  | 11.80 |
| 01565 | S 0.70    | 0.175 | 1.50    | 25      | 4.5      | 0.73       | 0.59       | 0.57  | 7.80  |
| 01566 | S 0.80    | 0.200 | 1.50    | 25      | 5.0      | 0.83       | 0.67       | 0.65  | 7.80  |
| 01567 | S 0.90    | 0.225 | 1.50    | 25      | 5.5      | 0.93       | 0.75       | 0.73  | 7.80  |
| 01568 | S 1.00    | 0.250 | 1.50    | 25      | 6.0      | 1.04       | 0.83       | 0.81  | 7.80  |
| 01569 | S 1.10    | 0.250 | 1.50    | 25      | 7.0      | 1.14       | 0.93       | 0.91  | 7.80  |
| 01570 | S 1.20    | 0.250 | 1.50    | 25      | 7.0      | 1.24       | 1.03       | 1.01  | 7.80  |
| 01571 | S 1.30    | 0.300 | 1.50    | 25      | 8.0      | 1.34       | 1.09       | 1.07  | 7.80  |
| 01572 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 8.20  |
| 01573 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 8.20  |
| 01574 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 8.20  |
| 01575 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 8.20  |
| 01576 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 8.20  |
| 01577 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 8.90  |
| 01578 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 8.90  |
| 01579 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 8.90  |
| 01580 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 8.90  |
| 01581 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 8.90  |
| 01582 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 8.90  |
| 01583 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 10.30 |
| 01584 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 10.30 |
| 01585 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 11.80 |
| 01586 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 11.80 |
| 01587 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 13.20 |
| 01589 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 13.20 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |

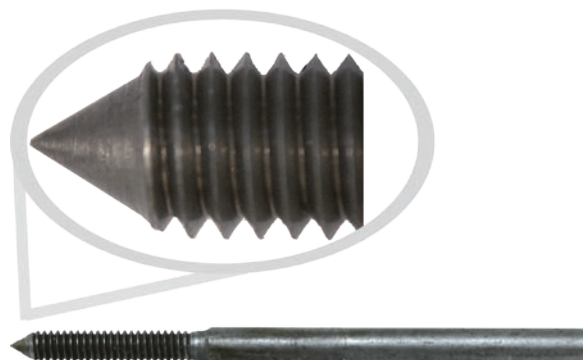




## ASCO ebauche Tap

for horology and equipment  
high-speed hardened steel

To push away a burr, polish or control the pitch holding.



| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|-------|
| 01620 | 0.30      | 0.080 | 1.00    | 22      | 2.0      | 0.30       | 17.20 |
| 01621 | 0.35      | 0.090 | 1.00    | 22      | 2.0      | 0.35       | 17.20 |
| 01622 | 0.40      | 0.100 | 1.00    | 22      | 2.5      | 0.40       | 14.30 |
| 01623 | 0.50      | 0.125 | 1.00    | 22      | 3.0      | 0.50       | 14.30 |
| 01624 | 0.60      | 0.150 | 1.00    | 22      | 3.5      | 0.60       | 11.50 |
| 01625 | 0.70      | 0.175 | 1.50    | 25      | 4.5      | 0.70       | 7.50  |
| 01626 | 0.80      | 0.200 | 1.50    | 25      | 5.0      | 0.80       | 7.50  |
| 01627 | 0.90      | 0.225 | 1.50    | 25      | 5.5      | 0.90       | 7.50  |
| 01628 | 1.00      | 0.250 | 1.50    | 25      | 6.0      | 1.00       | 7.50  |
| 01629 | 1.10      | 0.250 | 1.50    | 25      | 7.0      | 1.10       | 7.50  |
| 01630 | 1.20      | 0.250 | 1.50    | 25      | 7.0      | 1.20       | 7.50  |
| 01631 | 1.30      | 0.300 | 1.50    | 25      | 8.0      | 1.30       | 7.50  |
| 01632 | 1.40      | 0.300 | 2.00    | 30      | 8.5      | 1.40       | 7.90  |
| 01633 | 1.50      | 0.300 | 2.00    | 30      | 10       | 1.50       | 7.90  |
| 01634 | 1.60      | 0.350 | 2.00    | 30      | 10       | 1.60       | 7.90  |
| 01635 | 1.70      | 0.350 | 2.00    | 30      | 10       | 1.70       | 7.90  |
| 01636 | 1.80      | 0.350 | 2.00    | 30      | 10       | 1.80       | 7.90  |
| 01637 | 2.00      | 0.400 | 3.00    | 35      | 13       | 2.00       | 8.60  |
| 01638 | 2.20      | 0.450 | 3.00    | 35      | 13       | 2.20       | 8.60  |
| 01639 | 2.30      | 0.400 | 3.00    | 35      | 13       | 2.30       | 8.60  |
| 01640 | 2.40      | 0.450 | 3.00    | 40      | 15       | 2.40       | 8.60  |
| 01641 | 2.50      | 0.450 | 3.00    | 40      | 15       | 2.50       | 8.60  |
| 01642 | 2.60      | 0.450 | 3.00    | 40      | 15       | 2.60       | 8.60  |
| 01643 | 3.00      | 0.500 | 4.00    | 40      | 16       | 3.00       | 10.00 |
| 01644 | 3.50      | 0.600 | 4.00    | 40      | 17       | 3.50       | 10.00 |
| 01645 | 4.00      | 0.700 | 5.00    | 50      | 20       | 4.00       | 11.50 |
| 01646 | 4.50      | 0.750 | 5.00    | 50      | 20       | 4.50       | 11.50 |
| 01647 | 5.00      | 0.800 | 6.00    | 55      | 25       | 5.00       | 12.90 |
| 01649 | 6.00      | 1.000 | 6.00    | 55      | 25       | 6.00       | 12.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



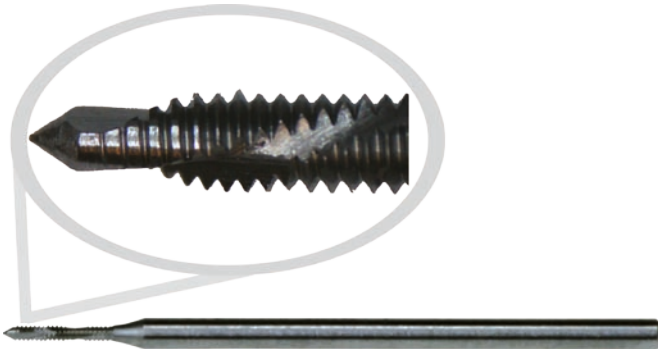
# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## ASCO Tap for HAUSER 570

for horology and equipment

Long shaft execution

10 / 3G NIHS

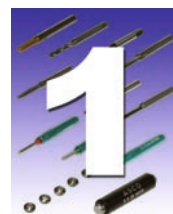
For brass, traversing holes with 2 helicoidal grooves.  
Helix at left perfectly countersinking the chips towards the front.

E.g.: for the horological plates.

| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING |       | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|------------|-------|-------|
|       |           |       |         |         |          |            | STEEL      | BRASS |       |
| 01700 | S 0.30    | 0.080 | 1.50    | 30      | 2.0      | 0.32       | 0.24       | 0.24  | 18.60 |
| 01701 | S 0.35    | 0.090 | 1.50    | 30      | 2.0      | 0.37       | 0.28       | 0.28  | 18.60 |
| 01702 | S 0.40    | 0.100 | 1.50    | 30      | 2.5      | 0.42       | 0.33       | 0.32  | 15.80 |
| 01704 | S 0.50    | 0.125 | 1.50    | 30      | 3.0      | 0.52       | 0.43       | 0.40  | 15.80 |
| 01705 | S 0.60    | 0.150 | 1.50    | 30      | 3.5      | 0.63       | 0.51       | 0.49  | 12.90 |
| 01706 | S 0.70    | 0.175 | 1.50    | 30      | 4.5      | 0.73       | 0.59       | 0.57  | 8.90  |
| 01707 | S 0.80    | 0.200 | 1.50    | 30      | 5.0      | 0.83       | 0.67       | 0.65  | 8.90  |
| 01708 | S 0.90    | 0.225 | 1.50    | 30      | 5.5      | 0.93       | 0.75       | 0.73  | 8.90  |
| 01709 | S 1.00    | 0.250 | 1.50    | 30      | 6.0      | 1.04       | 0.83       | 0.81  | 8.90  |
| 01710 | S 1.10    | 0.250 | 1.50    | 30      | 7.0      | 1.14       | 0.93       | 0.91  | 8.90  |
| 01711 | S 1.20    | 0.250 | 1.50    | 30      | 7.0      | 1.24       | 1.03       | 1.01  | 8.90  |
| 01712 | S 1.30    | 0.300 | 1.50    | 30      | 8.0      | 1.34       | 1.09       | 1.07  | 8.90  |
| 01713 | S 1.40    | 0.300 | 2.00    | 30      | 8.5      | 1.44       | 1.19       | 1.17  | 9.30  |
| 01714 | S 1.50    | 0.300 | 2.00    | 30      | 10       | 1.54       | 1.29       | 1.27  | 9.30  |
| 01715 | M 1.60    | 0.350 | 2.00    | 30      | 10       | 1.64       | 1.32       | 1.30  | 9.30  |
| 01716 | M 1.70    | 0.350 | 2.00    | 30      | 10       | 1.74       | 1.42       | 1.40  | 9.30  |
| 01717 | M 1.80    | 0.350 | 2.00    | 30      | 10       | 1.84       | 1.52       | 1.50  | 9.30  |
| 01718 | M 2.00    | 0.400 | 3.00    | 35      | 13       | 2.07       | 1.68       | 1.65  | 10.00 |
| 01719 | M 2.20    | 0.450 | 3.00    | 35      | 13       | 2.27       | 1.84       | 1.80  | 10.00 |
| 01720 | M 2.30    | 0.400 | 3.00    | 35      | 13       | 2.37       | 1.98       | 1.95  | 10.00 |
| 01721 | M 2.40    | 0.450 | 3.00    | 40      | 15       | 2.47       | 2.04       | 2.00  | 10.00 |
| 01722 | M 2.50    | 0.450 | 3.00    | 40      | 15       | 2.57       | 2.14       | 2.10  | 10.00 |
| 01723 | M 2.60    | 0.450 | 3.00    | 40      | 15       | 2.67       | 2.24       | 2.20  | 10.00 |
| 01724 | M 3.00    | 0.500 | 4.00    | 40      | 16       | 3.09       | 2.60       | 2.50  | 11.50 |
| 01725 | M 3.50    | 0.600 | 4.00    | 40      | 17       | 3.59       | 3.01       | 2.90  | 11.50 |
| 01726 | M 4.00    | 0.700 | 5.00    | 50      | 20       | 4.10       | 3.42       | 3.30  | 12.90 |
| 01727 | M 4.50    | 0.750 | 5.00    | 50      | 20       | 4.60       | 3.87       | 3.75  | 12.90 |
| 01728 | M 5.00    | 0.800 | 6.00    | 55      | 25       | 5.10       | 4.35       | 4.20  | 14.30 |
| 01730 | M 6.00    | 1.000 | 6.00    | 55      | 25       | 6.12       | 5.15       | 5.00  | 14.30 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



## Push away Tap ROLL-STAR

For stainless steel, soft brass (not suitable for normal brass), A 61 brass, copper, silver, aluminium, gold, etc.

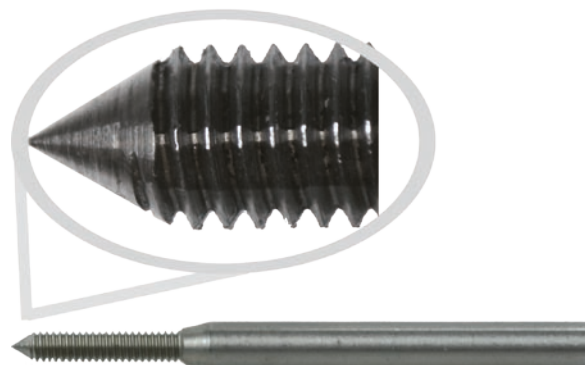
On demand execution in 4HX, 5HX, 6HX, 5G, 6G.

Threading : NIHS

Tolerance : 3GX

H5 core: brass

H6 core: steel



| Ref.  | Ø NOMINAL      | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING  | Ø H5 CORE | Ø H6 CORE | Price |
|-------|----------------|---------|---------|----------|------------|-------------|-----------|-----------|-------|
| 00858 | S 0.40 x 0.100 | 1.5     | 25      | 2.0      | 0.42       | 0.35 - 0.37 | 0.330     | 0.342     | 17.20 |
| 00859 | S 0.50 x 0.125 | 1.5     | 25      | 2.5      | 0.52       | 0.44 - 0.46 | 0.415     | 0.435     | 14.30 |
| 00860 | S 0.60 x 0.150 | 1.5     | 25      | 3.0      | 0.63       | 0.53 - 0.55 | 0.502     | 0.522     | 14.30 |
| 00861 | S 0.70 x 0.175 | 1.5     | 25      | 4.0      | 0.73       | 0.62 - 0.64 | 0.585     | 0.605     | 10.00 |
| 00862 | S 0.80 x 0.200 | 1.5     | 25      | 4.0      | 0.83       | 0.70 - 0.72 | 0.665     | 0.685     | 10.00 |
| 00863 | S 0.90 x 0.225 | 1.5     | 25      | 4.0      | 0.93       | 0.80 - 0.82 | 0.745     | 0.765     | 10.00 |
| 00864 | S 1.00 x 0.250 | 1.5     | 25      | 5.0      | 1.04       | 0.90 - 0.93 | 0.825     | 0.845     | 10.00 |
| 00865 | S 1.10 x 0.250 | 1.5     | 25      | 5.0      | 1.14       | 1.00 - 1.03 | 0.925     | 0.945     | 10.00 |
| 00866 | S 1.20 x 0.250 | 1.5     | 25      | 5.0      | 1.24       | 1.10 - 1.13 | 1.025     | 1.045     | 10.00 |
| 00867 | S 1.30 x 0.300 | 1.5     | 25      | 6.0      | 1.34       | 1.15 - 1.18 | 1.085     | 1.105     | 10.00 |
| 00868 | S 1.40 x 0.300 | 2.0     | 30      | 6.0      | 1.44       | 1.25 - 1.28 | 1.185     | 1.205     | 10.80 |
| 00869 | S 1.50 x 0.300 | 2.0     | 30      | 6.0      | 1.54       | 1.35 - 1.38 | 1.285     | 1.305     | 10.80 |
| 00870 | M 1.60 x 0.350 | 2.0     | 30      | 8.0      | 1.64       | 1.45 - 1.48 | 1.221     | 0+100     | 10.80 |
| 00871 | M 1.70 x 0.350 | 2.0     | 30      | 8.0      | 1.74       | 1.55 - 1.58 | 1.321     | 0+100     | 10.80 |
| 00872 | M 1.80 x 0.350 | 2.0     | 30      | 8.0      | 1.84       | 1.65 - 1.68 | 1.421     | 0+100     | 10.80 |
| 00873 | M 2.00 x 0.400 | 3.0     | 35      | 10       | 2.07       | 1.80 - 1.83 | 1.567     | 0+112     | 11.50 |
| 00874 | M 2.20 x 0.450 | 3.0     | 35      | 10       | 2.28       | 2.00 - 2.03 | 1.713     | 0+125     | 11.50 |
| 00875 | M 2.30 x 0.400 | 3.0     | 35      | 10       | 2.37       | 2.10 - 2.13 | 1.367     | 0+100     | 11.50 |
| 00876 | M 2.50 x 0.450 | 3.0     | 35      | 10       | 2.57       | 2.30 - 2.33 | 2.013     | 0+125     | 11.50 |
| 00877 | M 2.60 x 0.450 | 3.0     | 35      | 10       | 2.67       | 2.40 - 2.43 | 2.113     | 0+125     | 11.50 |
| 00878 | M 3.00 x 0.500 | 4.0     | 40      | 12       | 3.09       | 2.75 - 2.78 | 2.459     | 0+140     | 12.90 |
| 00941 | M 3.50 x 0.600 | 4.0     | 40      | 12       | 3.59       | 3.20 - 3.23 | 2.850     | 0+160     | 12.90 |
| 00942 | M 4.00 x 0.700 | 5.0     | 50      | 16       | 4.10       | 3.65 - 3.68 | 3.242     | 0+180     | 14.30 |
| 00943 | M 4.50 x 0.750 | 5.0     | 50      | 16       | 4.60       | 4.15 - 4.18 | 3.688     | 0+190     | 14.30 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



# Schurch Asco SA



*Partenaire et Savoir-faire*

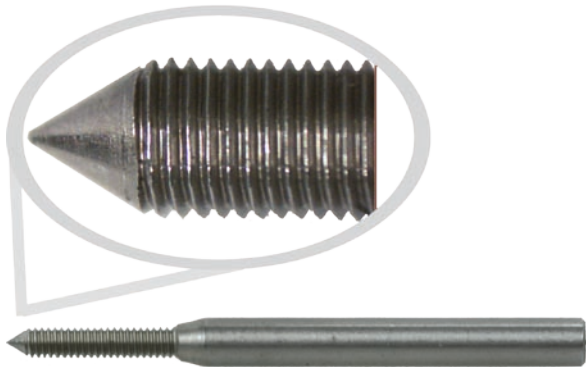
AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## Push away Tap **ROLL-STAR** Special profiles with fine pitch

For steel, through or blind holes with 3 straight grooves.  
Good resistance to breakage. For lathe (automatic lathe) and tapping machine.

Thread MF DIN 13 Fine pitch

ISO 1 Tolerance: Step 0.08 => 1.00 ISO1 (4H)

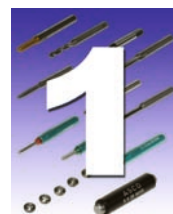
ISO 2 Tolerance: Step 0.08 => 0.225 ISO2 (5H)

ISO 2 Tolerance: Step 0.25 => 1.00 ISO2 (6H)

| REF.  | Ø NOMINAL | PITCH | Ø EXTERNAL | Ø SHAFT | L TOTAL | L USEFUL | Ø DRILLING  | Ø core | PRICE |
|-------|-----------|-------|------------|---------|---------|----------|-------------|--------|-------|
| 16844 | M 1.00    | 0.15  | 1.03       | 1.50    | 25      | 6        | 0.93 - 0.95 | 0.85   | 17.20 |
| 16845 | M 1.00    | 0.20  | 1.03       | 1.50    | 25      | 6        | 0.90 - 0.92 | 0.80   | 17.20 |
| 16846 | M 1.20    | 0.20  | 1.23       | 1.50    | 25      | 7        | 1.10 - 1.12 | 1.00   | 14.30 |
| 16847 | M 1.20    | 0.15  | 1.23       | 1.50    | 25      | 7        | 1.13 - 1.15 | 1.05   | 14.30 |
| 16848 | M 1.40    | 0.20  | 1.43       | 2.00    | 30      | 8.5      | 1.30 - 1.32 | 1.20   | 14.30 |
| 16849 | M 1.40    | 0.25  | 1.44       | 2.00    | 30      | 8.5      | 1.28 - 1.30 | 1.15   | 14.30 |
| 16838 | M 1.60    | 0.20  | 1.63       | 2.00    | 30      | 10       | 1.50 - 1.52 | 1.40   | 14.30 |
| 16839 | M 1.60    | 0.25  | 1.64       | 2.00    | 30      | 10       | 1.48 - 1.50 | 1.35   | 14.30 |
| 16840 | M 1.80    | 0.20  | 1.83       | 2.00    | 30      | 10       | 1.70 - 1.72 | 1.60   | 14.30 |
| 16841 | M 1.80    | 0.25  | 1.84       | 2.00    | 30      | 10       | 1.68 - 1.70 | 1.55   | 14.30 |
| 16842 | M 2.00    | 0.20  | 2.03       | 3.00    | 35      | 13       | 1.90 - 1.92 | 1.80   | 17.20 |
| 16843 | M 2.00    | 0.25  | 2.04       | 3.00    | 35      | 13       | 1.88 - 1.90 | 1.75   | 17.20 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00 | 3.00     | 4.00    | 5.00 - 6.00 | condition (%) |
|-------------------|-------------|----------|---------|-------------|---------------|
| Quantity (pieces) | 1 - 19      | 1 - 9    | 1 - 4   | 1           | + 30          |
|                   | 20 - 99     | 10 - 49  | 5 - 24  | 2 - 9       | net           |
|                   | 100 - 199   | 50 - 99  | 25 - 49 | 10 - 19     | - 20          |
|                   | 200 et +    | 100 et + | 50 et + | 20 et +     | - 30          |



## Push away Tap **ROLL - WC/C**

For stainless steel, soft brass, A 61 brass, copper, silver, aluminium, gold, etc.

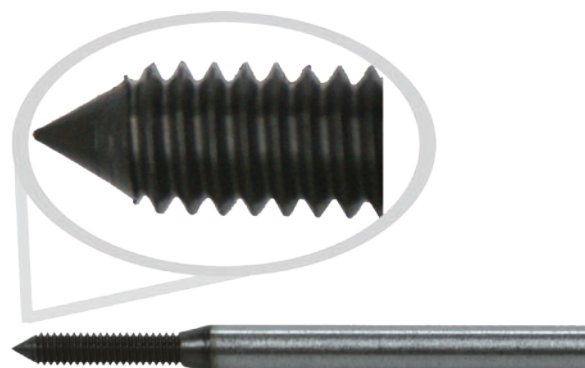
On demand execution in 4HX, 5HX, 6HX, 5G, 6G.

Threading : NIHS

Tolerance : 3GX

H5 core: brass

H6 core: steel



| REF.  | Ø NOMINAL | PITCH | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING  | Ø H5 CORE | Ø H6 CORE | PRICE |
|-------|-----------|-------|---------|---------|----------|------------|-------------|-----------|-----------|-------|
| 00880 | S 0.40    | 0.100 | 1.50 mm | 25      | 2.0      | 0.42       | 0.35 - 0.37 | 0.330     | 0.342     | 23.30 |
| 00881 | S 0.50    | 0.125 | 1.50 mm | 25      | 2.5      | 0.52       | 0.44 - 0.46 | 0.415     | 0.435     | 23.30 |
| 00882 | S 0.60    | 0.150 | 1.50 mm | 25      | 3.0      | 0.63       | 0.53 - 0.55 | 0.502     | 0.522     | 23.30 |
| 00883 | S 0.70    | 0.175 | 1.50 mm | 25      | 4.0      | 0.73       | 0.62 - 0.64 | 0.585     | 0.605     | 19.00 |
| 00884 | S 0.80    | 0.200 | 1.50 mm | 25      | 4.0      | 0.83       | 0.70 - 0.72 | 0.665     | 0.685     | 19.00 |
| 00885 | S 0.90    | 0.225 | 1.50 mm | 25      | 4.0      | 0.93       | 0.80 - 0.82 | 0.745     | 0.765     | 19.00 |
| 00886 | S 1.00    | 0.250 | 1.50 mm | 25      | 5.0      | 1.04       | 0.90 - 0.93 | 0.825     | 0.845     | 19.00 |
| 00887 | S 1.10    | 0.250 | 1.50 mm | 25      | 5.0      | 1.14       | 1.00 - 1.03 | 0.925     | 0.945     | 19.00 |
| 00888 | S 1.20    | 0.250 | 1.50 mm | 25      | 5.0      | 1.24       | 1.10 - 1.13 | 1.025     | 1.045     | 19.00 |
| 00889 | S 1.30    | 0.300 | 1.50 mm | 25      | 6.0      | 1.34       | 1.15 - 1.18 | 1.085     | 1.105     | 19.00 |
| 00890 | S 1.40    | 0.300 | 2.00 mm | 30      | 6.0      | 1.44       | 1.25 - 1.28 | 1.185     | 1.205     | 19.80 |
| 00891 | S 1.50    | 0.300 | 2.00 mm | 30      | 6.0      | 1.54       | 1.35 - 1.38 | 1.285     | 1.305     | 19.80 |
| 00892 | M 1.60    | 0.350 | 2.00 mm | 30      | 8.0      | 1.64       | 1.45 - 1.48 | 1.221     | 0+100     | 19.80 |
| 00893 | M 2.00    | 0.400 | 3.00 mm | 35      | 10       | 2.07       | 1.80 - 1.83 | 1.567     | 0+112     | 21.90 |
| 00894 | M 2.20    | 0.450 | 3.00 mm | 35      | 10       | 2.28       | 2.00 - 2.03 | 1.713     | 0+125     | 21.90 |
| 00895 | M 2.30    | 0.400 | 3.00 mm | 35      | 10       | 2.37       | 2.10 - 2.13 | 1.367     | 0+100     | 21.90 |
| 00896 | M 2.50    | 0.450 | 3.00 mm | 35      | 10       | 2.57       | 2.30 - 2.33 | 2.013     | 0+125     | 21.90 |
| 00897 | M 2.60    | 0.450 | 3.00 mm | 35      | 10       | 2.67       | 2.40 - 2.43 | 2.113     | 0+125     | 21.90 |
| 00898 | M 3.00    | 0.500 | 4.00 mm | 40      | 12       | 3.09       | 2.75 - 2.78 | 2.459     | 0+140     | 21.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



# Schurch Asco SA

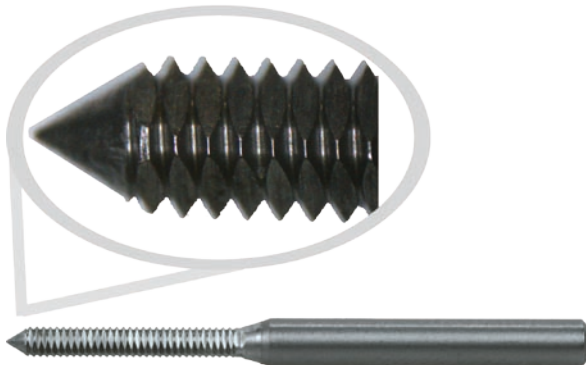


*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
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EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Push away Tap FORMER



Threading: NIHS  
Tolerance: 3GX  
Entrance length: 1.5 threads

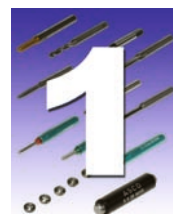
Recommended for 20 AP and stainless steel.

H5 core: brass  
H6 core: steel

| REF.  | Ø NOMINAL            | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING  | Ø H5 CORE | Ø H6 CORE | PRICE |
|-------|----------------------|---------|---------|----------|------------|-------------|-----------|-----------|-------|
| 00907 | S 0.30 x 0.080 / 3GX | 1.00    | 22      | 2.0      | 0.32       | 0.27 - 0.29 | 0.240     | 0.240     | 17.20 |
| 00908 | S 0.35 x 0.090 / 3GX | 1.00    | 22      | 2.0      | 0.37       | 0.31 - 0.33 | 0.286     | 0.286     | 17.20 |
| 00909 | S 0.40 x 0.100 / 3GX | 1.00    | 22      | 2.5      | 0.42       | 0.35 - 0.37 | 0.330     | 0.342     | 17.20 |
| 00910 | S 0.50 x 0.125 / 3GX | 1.00    | 22      | 3.0      | 0.52       | 0.44 - 0.46 | 0.415     | 0.435     | 17.20 |
| 00911 | S 0.60 x 0.150 / 3GX | 1.00    | 22      | 3.5      | 0.63       | 0.53 - 0.55 | 0.502     | 0.522     | 17.20 |
| 00912 | S 0.70 x 0.175 / 3GX | 1.50    | 25      | 4.5      | 0.73       | 0.62 - 0.64 | 0.585     | 0.605     | 8.90  |
| 00913 | S 0.80 x 0.200 / 3GX | 1.50    | 25      | 5.0      | 0.83       | 0.70 - 0.72 | 0.665     | 0.685     | 8.90  |
| 00914 | S 0.90 x 0.225 / 3GX | 1.50    | 25      | 5.5      | 0.93       | 0.80 - 0.82 | 0.745     | 0.765     | 8.90  |
| 00915 | S 1.00 x 0.250 / 3GX | 1.50    | 25      | 6.0      | 1.04       | 0.90 - 0.93 | 0.825     | 0.845     | 8.90  |
| 00916 | S 1.10 x 0.250 / 3GX | 1.50    | 25      | 7.0      | 1.14       | 1.00 - 1.03 | 0.925     | 0.945     | 8.90  |
| 00917 | S 1.20 x 0.250 / 3GX | 1.50    | 25      | 7.0      | 1.24       | 1.10 - 1.13 | 1.025     | 1.045     | 8.90  |
| 00918 | S 1.30 x 0.300 / 3GX | 1.50    | 25      | 8.0      | 1.34       | 1.15 - 1.18 | 1.085     | 1.105     | 8.90  |
| 00919 | S 1.40 x 0.300 / 3GX | 2.00    | 30      | 8.5      | 1.44       | 1.25 - 1.28 | 1.185     | 1.205     | 8.90  |
| 00920 | S 1.50 x 0.300 / 3GX | 2.00    | 30      | 10.0     | 1.54       | 1.35 - 1.38 | 1.285     | 1.305     | 8.90  |
| 00921 | M 1.60 x 0.350 / 3GX | 2.00    | 30      | 10.0     | 1.64       | 1.45 - 1.48 | 1.221     | 0+100     | 8.90  |
| 00922 | M 1.70 x 0.350 / 3GX | 2.00    | 30      | 10.0     | 1.74       | 1.55 - 1.58 | 1.321     | 0+100     | 8.90  |
| 00923 | M 1.80 x 0.350 / 3GX | 2.00    | 30      | 10.0     | 1.84       | 1.65 - 1.68 | 1.421     | 0+100     | 8.90  |
| 00924 | M 2.00 x 0.400 / 3GX | 3.00    | 35      | 13.0     | 2.07       | 1.80 - 1.83 | 1.567     | 0+112     | 10.00 |
| 00925 | M 2.20 x 0.450 / 3GX | 3.00    | 35      | 13.0     | 2.27       | 2.00 - 2.03 | 1.713     | 0+125     | 10.00 |
| 00926 | M 2.30 x 0.400 / 3GX | 3.00    | 35      | 13.0     | 2.37       | 2.10 - 2.13 | 1.367     | 0+100     | 10.00 |
| 00927 | M 2.50 x 0.450 / 3GX | 3.00    | 40      | 15.0     | 2.47       | 2.30 - 2.33 | 2.013     | 0+125     | 10.00 |
| 00928 | M 2.60 x 0.450 / 3GX | 3.00    | 40      | 15.0     | 2.57       | 2.40 - 2.43 | 2.113     | 0+125     | 10.00 |
| 00929 | M 3.00 x 0.500 / 3GX | 4.00    | 40      | 16.0     | 2.67       | 2.75 - 2.78 | 2.459     | 0+140     | 11.50 |
| 00930 | M 3.50 x 0.600 / 3GX | 4.00    | 40      | 17.0     | 3.09       | 3.20 - 3.23 | 2.850     | 0+160     | 11.50 |
| 00931 | M 4.00 x 0.700 / 3GX | 4.00    | 40      | 20.0     | 3.59       | 3.65 - 3.68 | 3.242     | 0+180     | 12.90 |
| 00932 | M 4.50 x 0.750 / 3GX | 5.00    | 50      | 20.0     | 4.10       | 4.15 - 4.18 | 3.688     | 0+190     | 12.90 |
| 00933 | M 5.00 x 0.800 / 3GX | 6.00    | 50      | 25.0     | 4.60       | 4.60 - 4.63 | 4.134     | 0+200     | 12.90 |
| 00934 | M 5.50 x 0.900 / 3GX | 6.00    | 55      | 25.0     | 5.10       | 5.10 - 5.13 |           |           | 12.90 |
| 00935 | M 6.00 x 1.000 / 3GX | 6.00    | 55      | 25.0     | 6.12       | 5.50 - 5.53 |           |           | 14.30 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



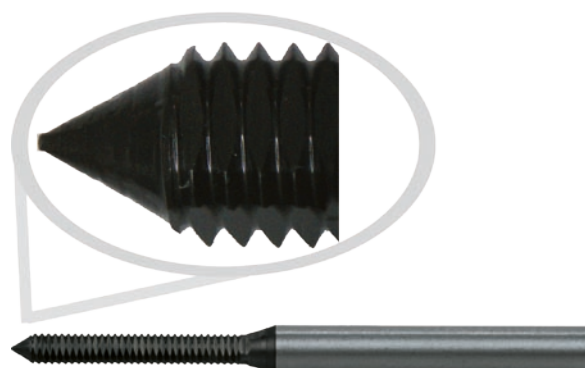
## Push away Tap FORMER WC/C

Threading: NIHS  
Tolerance: 3GX  
Entrance length: 1.5 threads

Recommended for 20 AP and stainless steel.

H5 core: brass

H6 core: steel



| REF.  | Ø NOMINAL            | Ø SHAFT | L TOTAL | L USEFUL | Ø EXTERNAL | Ø DRILLING  | Ø H5 CORE | Ø H6 CORE | PRICE |
|-------|----------------------|---------|---------|----------|------------|-------------|-----------|-----------|-------|
| 00976 | S 0.30 x 0.080 / 3GX | 1.00    | 22      | 2.0      | 0.32       | 0.27 - 0.29 | 0.240     | 0.240     | 26.15 |
| 00977 | S 0.35 x 0.090 / 3GX | 1.00    | 22      | 2.0      | 0.37       | 0.31 - 0.33 | 0.286     | 0.286     | 26.15 |
| 00978 | S 0.40 x 0.100 / 3GX | 1.00    | 22      | 2.5      | 0.42       | 0.35 - 0.37 | 0.330     | 0.342     | 26.15 |
| 00979 | S 0.50 x 0.125 / 3GX | 1.00    | 22      | 3.0      | 0.52       | 0.44 - 0.46 | 0.415     | 0.435     | 26.15 |
| 00980 | S 0.60 x 0.150 / 3GX | 1.00    | 22      | 3.5      | 0.63       | 0.53 - 0.55 | 0.502     | 0.522     | 26.15 |
| 00981 | S 0.70 x 0.175 / 3GX | 1.50    | 25      | 4.5      | 0.73       | 0.62 - 0.64 | 0.585     | 0.605     | 17.90 |
| 00982 | S 0.80 x 0.200 / 3GX | 1.50    | 25      | 5.0      | 0.83       | 0.70 - 0.72 | 0.665     | 0.685     | 17.90 |
| 00983 | S 0.90 x 0.225 / 3GX | 1.50    | 25      | 5.5      | 0.93       | 0.80 - 0.82 | 0.745     | 0.765     | 17.90 |
| 00984 | S 1.00 x 0.250 / 3GX | 1.50    | 25      | 6.0      | 1.04       | 0.90 - 0.93 | 0.825     | 0.845     | 17.90 |
| 00985 | S 1.10 x 0.250 / 3GX | 1.50    | 25      | 7.0      | 1.14       | 1.00 - 1.03 | 0.925     | 0.945     | 17.90 |
| 00986 | S 1.20 x 0.250 / 3GX | 1.50    | 25      | 7.0      | 1.24       | 1.10 - 1.13 | 1.025     | 1.045     | 17.90 |
| 00987 | S 1.30 x 0.300 / 3GX | 1.50    | 25      | 8.0      | 1.34       | 1.15 - 1.18 | 1.085     | 1.105     | 17.90 |
| 00988 | S 1.40 x 0.300 / 3GX | 2.00    | 30      | 8.5      | 1.44       | 1.25 - 1.28 | 1.185     | 1.205     | 19.00 |
| 00989 | S 1.50 x 0.300 / 3GX | 2.00    | 30      | 10.0     | 1.54       | 1.35 - 1.38 | 1.285     | 1.305     | 19.00 |
| 00990 | M 1.60 x 0.350 / 3GX | 2.00    | 30      | 10.0     | 1.64       | 1.45 - 1.48 | 1.221     | 0+100     | 19.00 |
| 00991 | M 1.70 x 0.350 / 3GX | 2.00    | 30      | 10.0     | 1.74       | 1.55 - 1.58 | 1.321     | 0+100     | 19.00 |
| 00992 | M 1.80 x 0.350 / 3GX | 2.00    | 30      | 10.0     | 1.84       | 1.65 - 1.68 | 1.421     | 0+100     | 19.00 |
| 00993 | M 2.00 x 0.400 / 3GX | 3.00    | 35      | 13.0     | 2.07       | 1.80 - 1.83 | 1.567     | 0+112     | 21.90 |
| 00994 | M 2.20 x 0.450 / 3GX | 3.00    | 35      | 13.0     | 2.28       | 2.00 - 2.03 | 1.713     | 0+125     | 21.90 |
| 00995 | M 2.30 x 0.400 / 3GX | 3.00    | 35      | 13.0     | 2.37       | 2.10 - 2.13 | 1.367     | 0+100     | 21.90 |
| 00996 | M 2.50 x 0.450 / 3GX | 3.00    | 40      | 15.0     | 2.57       | 2.30 - 2.33 | 2.013     | 0+125     | 21.90 |
| 00997 | M 2.60 x 0.450 / 3GX | 3.00    | 40      | 15.0     | 2.67       | 2.40 - 2.43 | 2.113     | 0+125     | 21.90 |
| 00998 | M 3.00 x 0.500 / 3GX | 4.00    | 40      | 16.0     | 3.09       | 2.75 - 2.78 | 2.459     | 0+140     | 21.90 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.

|                   | 1.00 - 2.00  | 3.00         | 4.00        | 5.00 - 6.00 | condition (%) |
|-------------------|--------------|--------------|-------------|-------------|---------------|
| Quantity (pieces) | 1 - 19       | 1 - 9        | 1 - 4       | 1           | + 30          |
|                   | 20 - 99      | 10 - 49      | 5 - 24      | 2 - 9       | net           |
|                   | 100 - 199    | 50 - 99      | 25 - 49     | 10 - 19     | - 20          |
|                   | 200 and more | 100 and more | 50 and more | 20 and more | - 30          |



# Schurch Asco SA

**ASCO**

*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

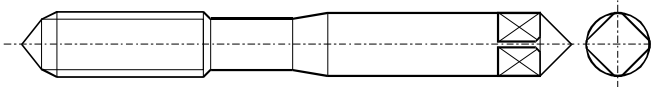
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Push away Tap HI-ROLL

TYPE : NRT-OX

TYPE : W396046.9 HSS



Helical Polygon Profile

Surface treatment .9 = OX = steam

(on request B = without treatment)

Tolerance: 4HX / 5HX / 6HX / RH2 / RH3

Inlet length: 1.5 threads / NRT-OX 2.5X

Recommended for:

|                        |                  |                 |               |
|------------------------|------------------|-----------------|---------------|
| <b>AUTOMATON STEEL</b> | <b>500 N/MM2</b> | <b>VC 16/20</b> | <b>M/MIN.</b> |
| <b>STAINLESS STEEL</b> | <b>850 N/MM2</b> | <b>VC 5/8</b>   | <b>M/MIN.</b> |

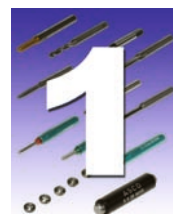
| REF.  | Ø NOMINAL                  | Ø SHAFT | L TOTAL | L USEFUL | Ø DRILLING  | PRICE |
|-------|----------------------------|---------|---------|----------|-------------|-------|
| 02269 | M 0.50 X 0.125 / 4HX       | 1.5     | 20      | 2.0      | 0.43 - 0.44 | 67.50 |
| 02270 | M 0.60 X 0.150 / 4HX       | 1.5     | 20      | 2.0      | 0.52 - 0.54 | 34.50 |
| 02271 | M 0.70 X 0.175 / RH2 / NRT | 3.0     | 30      | 2.2      | 0.60        | 33.90 |
| 02272 | M 0.80 X 0.200 / 4HX       | 1.5     | 20      | 2.6      | 0.70 - 0.72 | 28.00 |
| 02273 | M 0.90 X 0.225 / 4HX       | 1.5     | 20      | 3.0      | 0.78 - 0.80 | 24.80 |
| 02274 | M 1.00 X 0.250 / RH3 / NRT | 3.0     | 30      | 6.0      | 0.88        | 21.60 |
| 02275 | M 1.20 X 0.250 / 5HX       | 3.0     | 32      | 6.0      | 1.09 - 1.11 | 19.70 |
| 02276 | M 1.40 X 0.300 / 5HX       | 3.0     | 34      | 6.5      | 1.27 - 1.29 | 18.00 |
| 02277 | M 1.60 X 0.350 / 6HX       | 3.0     | 36      | 7.0      | 1.45 - 1.47 | 17.50 |
| 02278 | M 1.70 X 0.350 / 6HX       | 3.0     | 36      | 8.0      | 1.55 - 1.57 | 19.10 |
| 02279 | M 1.80 X 0.350 / 6HX       | 3.0     | 36      | 8.0      | 1.65 - 1.67 | 19.10 |
| 02280 | M 2.00 X 0.400 / 6HX       | 3.0     | 40      | 9.0      | 1.82 - 1.84 | 15.80 |
| 02283 | M 2.50 X 0.450 / 6HX       | 3.0     | 44      | 11.0     | 2.31 - 2.34 | 13.80 |
| 02285 | M 3.00 X 0.500 / 6HX       | 4.0     | 46      | 18.0     | 2.78 - 2.81 | 17.00 |

Conditions of sale: Discount of 5% for 10 identical items.

22 Screw-plates and Taps

March 2024





## Machine micro-Tap

1712 R

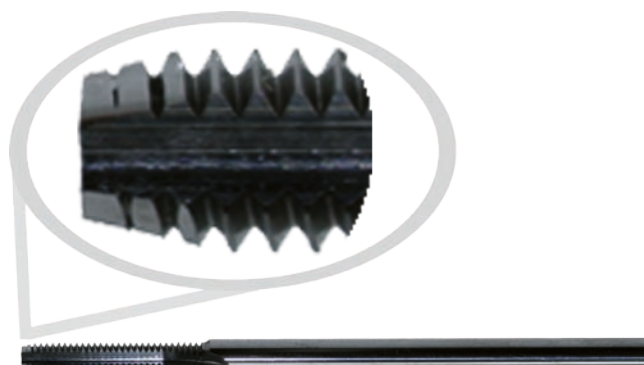
Monoblock carbide

Threading according to NIHS

Shaft tolerance: h6

Recommended for non ferrous materials easy to manufacture.

Traversing holes and blind with three right grooves.



| REF.  | TOLERANCE | NIHS   | PITCH | Ø SHAFT | L TOTAL | L USEFUL | GROOVES | Ø DRILLING |       | PRICE |
|-------|-----------|--------|-------|---------|---------|----------|---------|------------|-------|-------|
|       |           |        |       |         |         |          |         | STEEL      | BRASS |       |
| 09961 | NIHS-3G   | S 0.30 | 0.080 | 1.5     | 30      | 1.00     | 3       | 0.240      | 0.230 | 56.90 |
| 09962 | NIHS-3G   | S 0.35 | 0.090 | 1.5     | 30      | 1.50     | 3       | 0.280      | 0.280 | 56.90 |
| 09963 | NIHS-3G   | S 0.40 | 0.100 | 1.5     | 30      | 2.0      | 3       | 0.330      | 0.320 | 56.90 |
| 09964 | NIHS-3G + | S 0.40 | 0.100 | 1.5     | 30      | 2.50     | 3       | 0.330      | 0.320 | 56.90 |
| 09965 | NIHS-3G   | S 0.50 | 0.125 | 1.5     | 30      | 2.50     | 3       | 0.430      | 0.400 | 54.30 |
| 09966 | NIHS-3G + | S 0.50 | 0.125 | 1.5     | 30      | 3.50     | 3       | 0.430      | 0.400 | 54.30 |
| 09967 | NIHS-3G   | S 0.60 | 0.150 | 1.5     | 30      | 3.00     | 3       | 0.510      | 0.490 | 51.60 |
| 09968 | NIHS-3G + | S 0.60 | 0.150 | 1.5     | 30      | 4.00     | 3       | 0.510      | 0.490 | 51.60 |
| 09969 | NIHS-3G   | S 0.70 | 0.175 | 1.5     | 30      | 3.00     | 3       | 0.590      | 0.570 | 48.90 |
| 09970 | NIHS-3G + | S 0.70 | 0.175 | 1.5     | 30      | 4.00     | 3       | 0.590      | 0.570 | 48.90 |
| 09972 | NIHS-3G   | S 0.80 | 0.200 | 1.5     | 30      | 3.50     | 3       | 0.670      | 0.650 | 48.90 |
| 09973 | NIHS-3G + | S 0.80 | 0.200 | 1.5     | 30      | 4.00     | 3       | 0.670      | 0.650 | 48.90 |
| 09975 | NIHS-3G   | S 0.90 | 0.225 | 1.5     | 30      | 4.00     | 3       | 0.750      | 0.730 | 48.90 |
| 09976 | NIHS-3G + | S 0.90 | 0.225 | 1.5     | 30      | 4.00     | 3       | 0.750      | 0.730 | 48.90 |
| 09978 | NIHS-3G   | S 1.00 | 0.250 | 1.5     | 30      | 4.00     | 3       | 0.830      | 0.810 | 48.90 |
| 09979 | NIHS-3G + | S 1.00 | 0.250 | 1.5     | 30      | 4.00     | 3       | 0.830      | 0.810 | 48.90 |
| 09981 | NIHS-3G   | S 1.20 | 0.250 | 1.5     | 30      | 5.00     | 3       | 1.030      | 1.010 | 48.90 |
| 09984 | NIHS-3G   | S 1.40 | 0.300 | 1.5     | 30      | 5.00     | 3       | 1.190      | 1.170 | 48.90 |
| 09986 | ISO2 6H   | M 1.50 | 0.300 | 2.0     | 38      | 6.00     | 3       | 1.280      | 1.260 | 51.60 |
| 09987 | ISO2 6H   | M 2.00 | 0.400 | 2.5     | 43      | 11.00    | 3       | 1.680      | 1.650 | 54.30 |

Conditions of sale: Discount by quantity:

5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

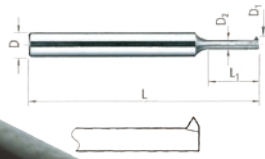
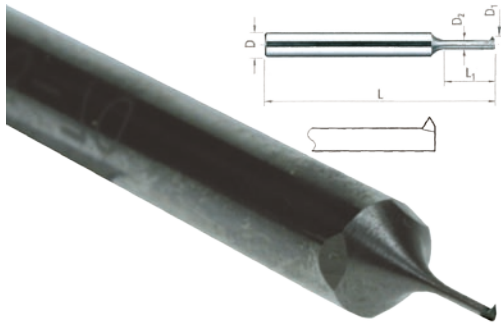
AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

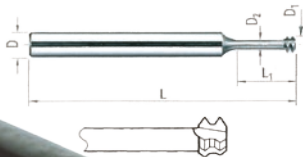
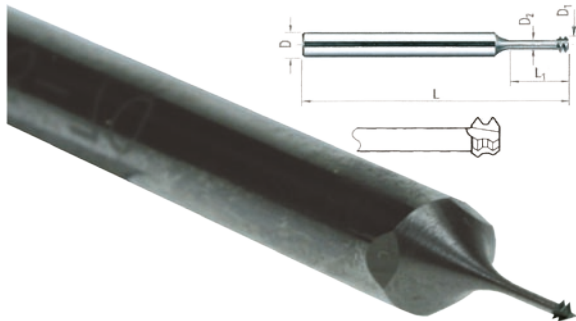


## Whirling Milling-Cutter Partial profile

**1739 Z1, CARBIDE**

For stainless steel, A 61 brass, soft brass (not suitable for normal brass), copper, silver, aluminium, gold, etc.  
Shaft diameter: 3 mm  
Length L = 38 mm  
Core tolerance = h6

| REF.  | Ø THREADING | PITCH | Ø DRILLING | D1   | D <sup>H5</sup> | L1   | L  | D2   | PRICE |
|-------|-------------|-------|------------|------|-----------------|------|----|------|-------|
| 16140 | S 0.30      | 0.080 | 0.23       | 0.21 | 3               | 0.70 | 38 | 0.12 | 62.20 |
| 16141 | S 0.40      | 0.100 | 0.32       | 0.29 | 3               | 0.90 | 38 | 0.18 | 62.20 |
| 16142 | S 0.50      | 0.125 | 0.40       | 0.37 | 3               | 1.20 | 38 | 0.23 | 62.20 |
| 16143 | S 0.60      | 0.150 | 0.48       | 0.44 | 3               | 1.50 | 38 | 0.27 | 62.20 |
| 16144 | S 0.70      | 0.175 | 0.56       | 0.52 | 3               | 1.80 | 38 | 0.32 | 56.70 |
| 16145 | S 0.80      | 0.200 | 0.64       | 0.59 | 3               | 2.00 | 38 | 0.36 | 56.70 |
| 16146 | S 0.90      | 0.225 | 0.72       | 0.67 | 3               | 2.20 | 38 | 0.41 | 56.70 |
| 16147 | S 1.00      | 0.250 | 0.80       | 0.74 | 3               | 2.40 | 38 | 0.46 | 56.70 |
| 16148 | S 1.20      | 0.250 | 1.00       | 0.94 | 3               | 3.00 | 38 | 0.66 | 56.70 |
| 16149 | S 1.40      | 0.300 | 1.15       | 1.08 | 3               | 3.30 | 38 | 0.74 | 56.70 |



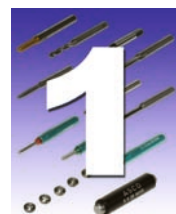
## Whirling Milling-Cutter Full profile

**1730-2D Z3, MD**

For stainless steel, A 61 brass, soft brass (not suitable for normal brass), copper, silver, aluminium, gold, etc.  
Shaft diameter: 3 mm  
Length L = 38 mm  
Core tolerance = h6

| Ref.  | Ø threading | PITCH | D1   | D <sup>H5</sup> | L1   | L  | D2   | PRICE |
|-------|-------------|-------|------|-----------------|------|----|------|-------|
| 16150 | M 0.90      | 0.225 | 0.64 | 3               | 2.10 | 38 | 0.29 | 89.40 |
| 16151 | M 1.00      | 0.25  | 0.73 | 3               | 2.30 | 38 | 0.32 | 86.40 |
| 16152 | M 1.20      | 0.25  | 0.92 | 3               | 2.80 | 38 | 0.51 | 86.40 |
| 16153 | M 1.40      | 0.30  | 1.05 | 3               | 3.20 | 38 | 0.58 | 83.60 |
| 16154 | M 1.60      | 0.35  | 1.21 | 3               | 3.70 | 38 | 0.64 | 83.60 |
| 16155 | M 1.80      | 0.35  | 1.41 | 3               | 4.10 | 38 | 0.84 | 83.60 |
| 16156 | M 2.00      | 0.40  | 1.55 | 3               | 4.60 | 38 | 1.10 | 81.60 |
| 16157 | M 2.20      | 0.45  | 1.72 | 3               | 5.10 | 38 | 0.96 | 87.30 |
| 16158 | M 2.50      | 0.45  | 2.00 | 3               | 5.80 | 38 | 1.26 | 87.30 |
| 16159 | M 1.80      | 0.20  | 1.41 | 3               | 4.10 | 38 | 1.23 | 83.60 |
| 16160 | M 2.20      | 0.20  | 1.72 | 3               | 5.10 | 38 | 1.63 | 87.30 |
| 16161 | M 2.50      | 0.25  | 2.00 | 3               | 5.80 | 38 | 1.75 | 87.30 |
| 16162 | M 2.50      | 0.35  | 2.00 | 3               | 5.80 | 38 | 1.52 | 87.30 |

Conditions of sale: Discount or increase vary depending on the quantity and the shaft diameter of identical item per order.



| GAUGE MAXI           | GAUGE MINI | Ø NOMINAL | PITCH | Ø SHAFT | PRICE |
|----------------------|------------|-----------|-------|---------|-------|
| 17620                | 17600      | S 0.30 NT | 0.080 | 4.50    | 70.00 |
| 17621                | 17601      | S 0.35 NT | 0.090 | 4.50    | 70.00 |
| 17622                | 17602      | S 0.40 NT | 0.100 | 4.50    | 70.00 |
| 17623                | 17603      | S 0.50 NT | 0.125 | 4.50    | 70.00 |
| 17624                | 17604      | S 0.60 NT | 0.150 | 4.50    | 70.00 |
| 17625                | 17605      | S 0.70 NT | 0.175 | 4.50    | 70.00 |
| 17626                | 17606      | S 0.80 NT | 0.200 | 4.50    | 70.00 |
| 17627                | 17607      | S 0.90 NT | 0.225 | 4.50    | 70.00 |
| 17628                | 17608      | S 1.00 NT | 0.250 | 4.50    | 70.00 |
| 17629                | 17609      | S 1.10 NT | 0.250 | 4.50    | 70.00 |
| 17630                | 17610      | S 1.20 NT | 0.250 | 4.50    | 70.00 |
| 17631                | 17611      | S 1.30 NT | 0.300 | 4.50    | 70.00 |
| 17632                | 17612      | S 1.40 NT | 0.300 | 4.50    | 70.00 |
| <b>RT on request</b> |            |           |       |         |       |

### Plug-Gauge NT / RT

*Threaded, ASCO high-speed steel  
mini and maxi  
with engraved coated support*

Dimension: S 0.30 to M 1.80

Tolerance: NIHS. Special tolerance on demand

maxi = does not pass = red code

mini = passes = green code

Order sample: Plug-Gauge ASCO mini S 0.8 NIHS-NT



| GAUGE MAXI           | GAUGE MINI | Ø NOMINAL | PITCH | Ø SHAFT | PRICE |
|----------------------|------------|-----------|-------|---------|-------|
| 02240                | 01660      | S 0.30 3G | 0.080 | 4.50    | 70.00 |
| 02241                | 01661      | S 0.35 3G | 0.090 | 4.50    | 70.00 |
| 02242                | 01662      | S 0.40 3G | 0.100 | 4.50    | 70.00 |
| 02243                | 01663      | S 0.50 3G | 0.125 | 4.50    | 70.00 |
| 02244                | 01664      | S 0.60 3G | 0.150 | 4.50    | 70.00 |
| 02245                | 01665      | S 0.70 3G | 0.175 | 4.50    | 70.00 |
| 02246                | 01666      | S 0.80 3G | 0.200 | 4.50    | 70.00 |
| 02247                | 01667      | S 0.90 3G | 0.225 | 4.50    | 70.00 |
| 02248                | 01668      | S 1.00 3G | 0.250 | 4.50    | 70.00 |
| 02249                | 01669      | S 1.10 3G | 0.250 | 4.50    | 70.00 |
| 02250                | 01670      | S 1.20 3G | 0.250 | 4.50    | 70.00 |
| 02251                | 01671      | S 1.30 3G | 0.300 | 4.50    | 70.00 |
| 02252                | 01672      | S 1.40 3G | 0.300 | 4.50    | 70.00 |
| 02253                | 01673      | S 1.50 3G | 0.300 | 4.50    | 70.00 |
| 02254                | 01674      | M 1.60 6H | 0.350 | 4.50    | 81.00 |
| 02255                | 01675      | M 1.70 6H | 0.350 | 4.50    | 81.00 |
| 02256                | 01676      | M 1.80 6H | 0.350 | 4.50    | 81.00 |
| <b>4H on request</b> |            |           |       |         |       |

### Plug-Gauge (S)

*Threaded, ASCO high-speed steel  
mini and maxi (according to NIHS) 3G / 4H  
with engraved coated support*

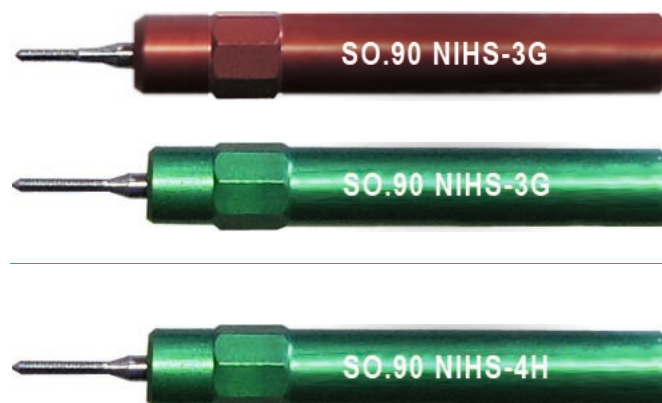
Dimension: S 0.30 to M 1.80

Tolerance: NIHS. Special tolerance on demand

maxi = does not pass = red code

mini = passes = green code

Order sample: Plug-Gauge ASCO mini S 0.9 NIHS-3G





# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

| Gauge maxi H5 | Gauge maxi H6 | For Ø     | Ø <sub>shaft</sub> | PRICE |
|---------------|---------------|-----------|--------------------|-------|
| 16400         | 16426         | S 0.30 3G | 4.50               | 39.00 |
| 16401         | 16427         | S 0.35 3G | 4.50               |       |
| 16402         | 16414         | S 0.40 3G | 4.50               |       |
| 16403         | 16415         | S 0.50 3G | 4.50               |       |
| 16404         | 16416         | S 0.60 3G | 4.50               |       |
| 16405         | 16417         | S 0.70 3G | 4.50               |       |
| 16406         | 16418         | S 0.80 3G | 4.50               |       |
| 16407         | 16419         | S 0.90 3G | 4.50               |       |
| 16408         | 16420         | S 1.00 3G | 4.50               |       |
| 16409         | 16421         | S 1.10 3G | 4.50               |       |
| 16410         | 16422         | S 1.20 3G | 4.50               | 29.80 |
| 16411         | 16423         | S 1.30 3G | 4.50               |       |
| 16412         | 16424         | S 1.40 3G | 4.50               |       |
| 16413         | 16425         | S 1.50 3G | 4.50               |       |

*Plug-Gauge*  
*Smooth, ASCO high-speed steel*  
*maxi (according to NIHS)*  
*for inspection of the core*  
*H5 brass / H6 steel*

Dimension: S 0.30 to S 1.50

Tolerance : NIHS. Special tolerance on demand

Order example:

10 gauges ASCO maxi S 0.8 red code H5



*Plug-Gauge*

*Threaded*

*mini and maxi, NIHS*

**FRAISA, CARBIDE**

Dimension: S 0.30 à S 1.00

Tolerance : NIHS. Special tolerance on demand

Measure control report on demand.

mini = passes = no code

maxi = does not pass = red code

Order example: 10 gauges FRAISA mini S 0.8 3G



Delivery including a certificate of the precision of the gauges with a protocol of the performed measures is invoiced with a supplement of **Fr. 27.50**.

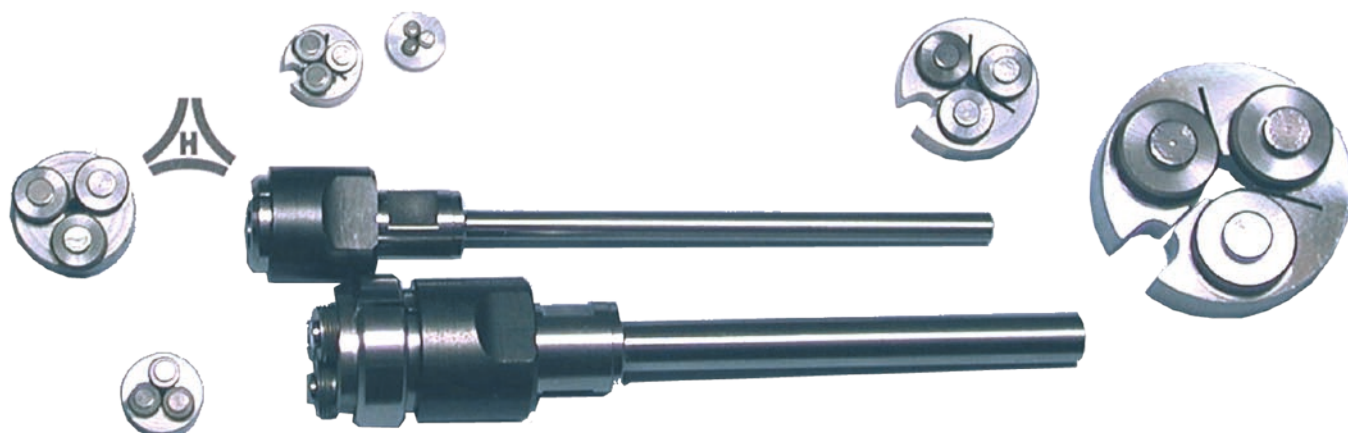
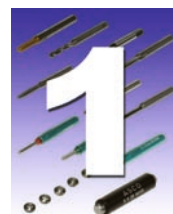
Without specification in the order, the gauge is delivered without attestation

| Gauge maxi | Gauge mini   | Ø <sub>nominal</sub> | PITCH | Ø <sub>shaft</sub> | PRICE |
|------------|--|----------------------|-------|--------------------|-------|
| 16700      | 16720  | S 0.30 3G            | 0.080 | 3.00               | 79.00 |
| 16701      | 16721  | S 0.35 3G            | 0.090 | 3.00               | 79.00 |
| 16702      | 16722  | S 0.40 3G            | 0.100 | 3.00               | 79.00 |
| 16703      | 16723  | S 0.50 3G            | 0.125 | 3.00               | 79.00 |
| 16704      | 16724  | S 0.60 3G            | 0.150 | 3.00               | 79.00 |
| 16705      | 16725  | S 0.70 3G            | 0.175 | 3.00               | 79.00 |
| 16706      | 16726  | S 0.80 3G            | 0.200 | 3.00               | 79.00 |
| 16707      | 16727  | S 0.90 3G            | 0.225 | 3.00               | 79.00 |
| 16708      | 16728  | S 1.00 3G            | 0.250 | 3.00               | 79.00 |
| 16729      | Control of a gauge after use including the certificate |                      |       |                    | 44.00 |

Conditions of sale: Discount: 10 % per order of 10 identical pieces

26 Screw-plates and Taps

August 2018



| Ref.  | Ø nominal | D     | H  | TYPE      | PRICE  |
|-------|-----------|-------|----|-----------|--------|
| 16641 | 0.35      | 6     | 2  | N6        | 46.05  |
| 16642 | 0.40      | 6     | 2  | N6        | 46.05  |
| 16643 | 0.50      | 6     | 3  | N6        | 46.05  |
| 16644 | 0.60      | 6     | 3  | N6        | 41.70  |
| 16645 | 0.70      | 6     | 3  | N6        | 41.70  |
| 16646 | 0.80      | 8     | 5  | N8        | 38.65  |
| 16647 | 0.90      | 8     | 5  | N8        | 38.65  |
| 16648 | 1.00      | 8     | 5  | N8        | 38.65  |
| 16649 | 1.10      | 8     | 5  | N8        | 38.65  |
| 16650 | 1.20      | 8     | 5  | N8        | 38.65  |
| 16651 | 1.30      | 8/10  | 6  | N8        | 47.45  |
| 16652 | 1.40      | 8/10  | 6  | N8        | 47.45  |
| 16653 | 1.50      | 8/10  | 6  | N8        | 47.45  |
| 16654 | 1.60      | 12    | 6  | N12       | 59.25  |
| 16655 | 1.70      | 12    | 6  | N12       | 59.25  |
| 16656 | 1.80      | 12    | 6  | N12       | 59.25  |
| 16657 | 2.00      | 12    | 6  | N12       | 59.25  |
| 16658 | 2.20      | 12/16 | 8  | N12       | 69.45  |
| 16659 | 2.50      | 12/16 | 8  | N12       | 69.45  |
| 16660 | 2.60      | 12/16 | 8  | N12       | 69.45  |
| 16661 | PM 3.00   | 12/16 | 8  | N12       | 69.45  |
| 16662 | 3.00      | 22    | 11 | F8        | 99.05  |
| 16663 | 3.50      | 22    | 11 | F8        | 99.05  |
| 16664 | 4.00      | 22    | 11 | F8        | 99.05  |
| 16665 | 5.00      | 25    | 13 | F8        | 125.60 |
| 16666 | 6.00      | 30    | 16 | V10 / F10 | 140.45 |

## Roll Screw-plate not adjustable

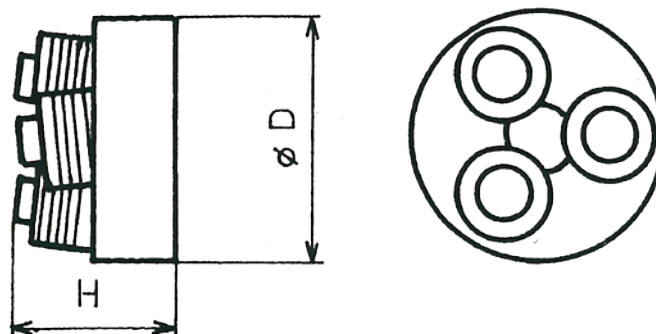
HSS 5h3 steel roll Screw-plate for the rolling of screws and shafts.

External diameter is established by the turning diameter.

Screw-plates are available per 10 µ.

Example: diameter 0.80, 0.79, 0.78, 0.77

For diameters different from the ones in the table, please specify it in your order.



Conditions of sale: Discount: 3 % per order of 20 to 49 identical pieces.  
5 % per order of 50 to 99 identical pieces.  
8 % per order of 100 or more identical pieces.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Roll adjustable Screw-plate

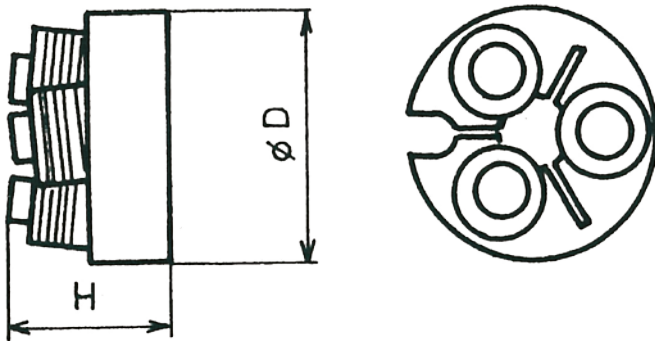
HSS 5h3 steel roll Screw-plate economical and recommended for small series.

External diameter is established by the turning diameter.

Screw-plates are available per 10  $\mu$ .

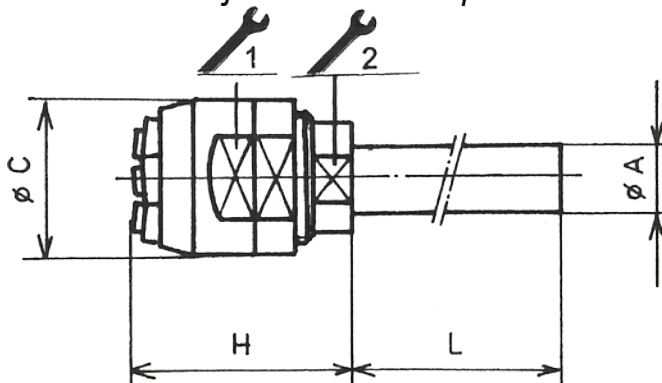
Example : diameter 0.80, 0.79, 0.78, 0.77

For diameters different from the ones in the table, please specify it in your order.



| Ref.  | Ø nominal | D     | H     | TYPE | PRICE  |
|-------|-----------|-------|-------|------|--------|
| 16600 | 0.60      | 8.00  | 3.00  | R8   | 51.20  |
| 16601 | 0.70      | 8.00  | 3.00  | R8   | 51.20  |
| 16602 | 0.80      | 8.00  | 5.00  | R8   | 46.90  |
| 16603 | 0.90      | 8.00  | 5.00  | R8   | 46.90  |
| 16604 | 1.00      | 10.00 | 5.00  | R10  | 46.90  |
| 16605 | 1.10      | 10.00 | 5.00  | R10  | 46.90  |
| 16606 | 1.20      | 10.00 | 5.00  | R10  | 46.90  |
| 16607 | 1.30      | 10.00 | 6.00  | R10  | 58.50  |
| 16608 | 1.40      | 10.00 | 6.00  | R10  | 58.50  |
| 16609 | 1.50      | 10.00 | 6.00  | R10  | 58.50  |
| 16610 | 1.60      | 14.00 | 6.00  | R14  | 71.00  |
| 16611 | 1.70      | 14.00 | 6.00  | R14  | 71.00  |
| 16612 | 1.80      | 14.00 | 6.00  | R14  | 71.00  |
| 16613 | 2.00      | 14.00 | 6.00  | R14  | 71.00  |
| 16614 | 2.20      | 16.00 | 8.00  | R16  | 85.40  |
| 16615 | 2.50      | 16.00 | 8.00  | R16  | 85.40  |
| 16616 | 2.60      | 16.00 | 8.00  | R16  | 85.40  |
| 16617 | PM 3.00   | 16.00 | 8.00  | R16  | 85.40  |
| 16618 | 3.00      | 25.00 | 11.00 | R25  | 121.00 |
| 16619 | 3.50      | 25.00 | 12.00 | R25  | 121.00 |
| 16620 | 4.00      | 25.00 | 12.00 | R25  | 121.00 |
| 16621 | 4.50      | 25.00 | 12.00 | R25  | 151.00 |
| 16622 | 5.00      | 27.00 | 13.00 | R27  | 151.00 |
| 16623 | 6.00      | 32.00 | 16.00 | R32  | 169.20 |
| 16624 | 8.00      | 35.00 | 20.00 | R35  | 313.55 |

## Adjustable Die-holder for adjustable Screw-plate



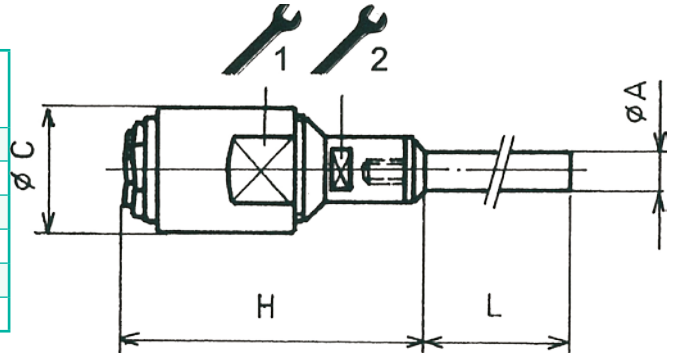
| Ref.  | L  | H <sub>max</sub> | C    | 1    | 2   | TYPE | PRICE  |
|-------|----|------------------|------|------|-----|------|--------|
| 16625 | 55 | 21               | 13.0 | 11   | 5.5 | R8   | 93.95  |
| 16626 | 55 | 22               | 15.0 | 13   | 9   | R10  | 93.95  |
| 16627 | 55 | 22               | 16.5 | 15   | 9   | R12  | 93.95  |
| 16628 | 55 | 22               | 19.0 | 17   | 9   | R14  | 93.95  |
| 16629 | 55 | 24               | 22.0 | 19   | 13  | R16  | 93.95  |
| 16630 | 55 | 28               | 26.0 | 22   | 15  | R18  | 93.95  |
| 16631 | 55 | 32               | 32.0 | 8025 | 17  | R25  | 153.60 |
| 16632 | 55 | 33               | 35.0 | 8027 | 19  | R27  | 153.60 |
| 16633 | 55 | 37               | 40.0 | 8032 | 22  | R32  | 153.60 |
| 16634 | 55 | 42               | 45.0 | 8035 | 27  | R35  | 184.80 |

Conditions of sale: Discount: 3 % per order of 20 to 49 identical pieces.  
5 % per order of 50 to 99 identical pieces.  
8 % per order of 100 or more identical pieces..



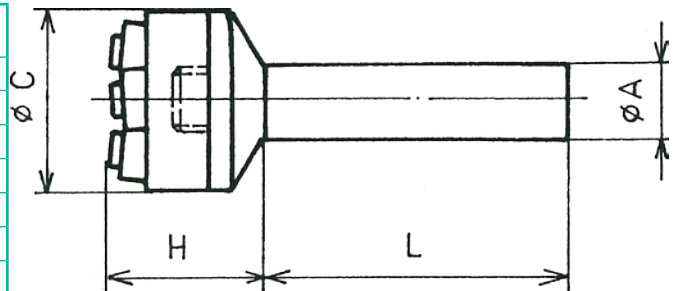
### Non adjustable Die-holder for non adjustable Screw-plate

| Ref.  | L  | H <sub>max</sub> | C  | 1  | 2   | TYPE  | Ø <sub>A</sub> | PRICE |
|-------|----|------------------|----|----|-----|-------|----------------|-------|
| 16667 | 53 | 24               | 12 | 9  | 5.5 | N6-3  |                | 79.75 |
| 16668 | 53 | 24               | 12 | 9  | 5.5 | N6-5  |                | 79.75 |
| 16669 | 53 | 27               | 12 | 9  | 5.5 | N8-3  |                | 79.75 |
| 16670 | 53 | 27               | 12 | 9  | 5.5 | N8-5  |                | 79.75 |
| 16671 | 46 | 33               | 14 | 12 | 7.5 | N12-3 |                | 93.95 |
| 16672 | 46 | 33               | 14 | 12 | 7.5 | N12-5 |                | 93.95 |



### Non adjustable Die-holder for non adjustable Screw-plate

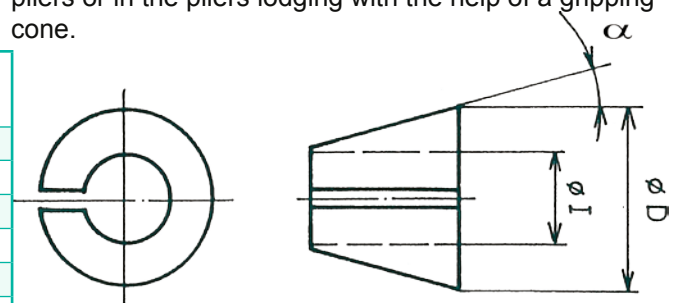
| Ref.  | L  | H <sub>max</sub> | C  | TYPE   | Ø <sub>A</sub> | PRICE |
|-------|----|------------------|----|--------|----------------|-------|
| 16673 | 30 | 37               | 14 | F8-5   |                | 54.10 |
| 16674 | 15 | 18               | 14 | F8-6   |                | 54.10 |
| 16675 | 30 | 18               | 14 | F8-7   |                | 54.10 |
| 16676 | 50 | 18               | 14 | F8-8   |                | 54.10 |
| 16677 | 60 | 39               | 29 | V10-8  |                | 82.60 |
| 16678 | 70 | 39               | 29 | V10-10 |                | 82.60 |
| 16679 | 30 | 25               | 29 | V10-14 |                | 82.60 |



### Cones for Die-holder

The assembling on the machine is made with gripping pliers or in the pliers lodging with the help of a gripping cone.

| Ref.  | D    | I  | α° | TYPE    | Ø <sub>A</sub> | PRICE |
|-------|------|----|----|---------|----------------|-------|
| 16680 | 10.7 | 7  | 15 | CPF7    |                | 45.80 |
| 16681 | 12.0 | 7  | 16 | CPF7-12 |                | 45.80 |
| 16682 | 12.0 | 8  | 16 | CPF8    |                | 45.80 |
| 16683 | 15.5 | 10 | 20 | CPF10   |                | 45.80 |
| 16684 | 18.0 | 12 | 16 | CPF12   |                | 45.80 |
| 16685 | 18.0 | 14 | 16 | CPF14   |                | 98.70 |
| 16686 | 22.0 | 16 | 16 | CPF16   |                | 98.70 |



Conditions of sale: Discount: 3 % per order of 20 to 49 identical pieces.  
5 % per order of 50 to 99 identical pieces.  
8 % per order of 100 or more identical pieces.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## Screw-plate ASCO

*for horology and equipment*

*Tool steel*

For the repairing of damaged screws.

| Ref.  | Ø nominal | PITCH | Ø external | Ø external shaft |       | PRICE |
|-------|-----------|-------|------------|------------------|-------|-------|
|       |           |       |            | MINI             | MAXI  |       |
| 16003 | S 0.40    | 0.100 | 8.00       | 0.382            | 0.400 | 33.00 |
| 16005 | S 0.50    | 0.125 | 8.00       | 0.480            | 0.500 | 33.00 |
| 16019 | S 1.30    | 0.300 | 8.00       | 1.265            | 1.300 | 33.00 |
| 16021 | S 1.50    | 0.300 | 8.00       | 1.460            | 1.500 | 33.00 |
| 16022 | M 1.60    | 0.350 | 8.00       | 1.496            | 1.581 | 33.00 |
| 16023 | M 1.70    | 0.350 | 8.00       | 1.596            | 1.681 | 33.00 |
| 16024 | M 1.80    | 0.350 | 8.00       | 1.696            | 1.781 | 33.00 |
| 16025 | M 2.00    | 0.400 | 8.00       | 1.886            | 1.981 | 33.00 |



## Screw-plate ASCO HSS

DIN 13/50°/1.8

These screw-plates are presplit and the closed execution enable an always accurate repetition.

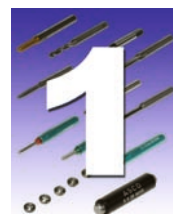
| Ref.  | Ø nominal | PITCH | Ø external | THICKNESS | TOLERANCE | PRICE |
|-------|-----------|-------|------------|-----------|-----------|-------|
| 17535 | M 1.00 6h | 0.25  | 16         | 5         | 6h        | 62.40 |
| 17536 | M 1.10 6h | 0.25  | 16         | 5         | 6h        | 59.30 |
| 17537 | M 1.20 6h | 0.25  | 16         | 5         | 6h        | 59.30 |
| 17538 | M 1.40 6h | 0.30  | 16         | 5         | 6h        | 59.30 |
| 17539 | M 1.60 6g | 0.35  | 16         | 5         | 6g        | 56.70 |
| 17540 | M 1.70 6g | 0.35  | 16         | 5         | 6g        | 56.70 |
| 17541 | M 1.80 6g | 0.35  | 16         | 5         | 6g        | 56.20 |
| 17542 | M 2.00 6g | 0.40  | 16         | 5         | 6g        | 39.20 |
| 17543 | M 2.20 6g | 0.45  | 16         | 5         | 6g        | 39.20 |
| 17544 | M 2.30 6g | 0.40  | 16         | 5         | 6g        | 39.20 |
| 17545 | M 2.50 6g | 0.45  | 16         | 5         | 6g        | 39.20 |
| 17546 | M 2.60 6g | 0.45  | 16         | 5         | 6g        | 45.80 |
| 17547 | M 3.00 6g | 0.50  | 20         | 5         | 6g        | 33.00 |
| 17548 | M 3.50 6g | 0.60  | 20         | 5         | 6g        | 45.80 |
| 17549 | M 4.00 6g | 0.70  | 20         | 7         | 6g        | 33.00 |
| 17550 | M 5.00 6g | 0.80  | 20         | 7         | 6g        | 33.00 |
| 17551 | M 6.00 6g | 1.00  | 20         | 7         | 6g        | 38.50 |

Conditions of sale: Net prices.

30 Screw-plates and Taps

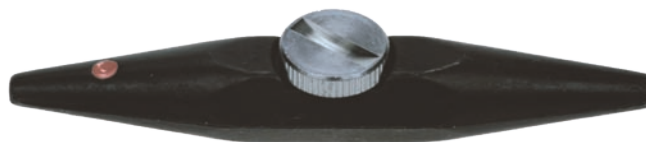
May 2023





## Gauge support N° 1

These supports are not compatible with the plug-gauges above.



| Ref.  | Ø           | PRICE |
|-------|-------------|-------|
| 00562 | 1.00 → 2.00 | 19.30 |

## Threaded Ring-Gauge ASCO HSS

go / no go (according to NIHS) 5h / 4g

with engraved coated support

Dimension: S 0.30 to S 1.80

Special tolerance on demand

One gauge set per article, mini and maxi.



| Ref.  | Ø nominal | TOLERANCE | PITCH | Ø shaft | PRICE  |
|-------|-----------|-----------|-------|---------|--------|
| 02300 | S 0.30    | NIHS 5h   | 0.080 | 4.50    | 237.00 |
| 02301 | S 0.35    | NIHS 5h   | 0.090 | 4.50    | 237.00 |
| 02302 | S 0.40    | NIHS 5h   | 0.100 | 4.50    | 237.00 |
| 02303 | S 0.50    | NIHS 5h   | 0.125 | 4.50    | 237.00 |
| 02304 | S 0.60    | NIHS 5h   | 0.150 | 4.50    | 237.00 |
| 02305 | S 0.70    | NIHS 5h   | 0.175 | 4.50    | 237.00 |
| 02306 | S 0.80    | NIHS 5h   | 0.200 | 4.50    | 237.00 |
| 02307 | S 0.90    | NIHS 5h   | 0.225 | 4.50    | 237.00 |
| 02308 | S 1.00    | NIHS 5h   | 0.250 | 4.50    | 237.00 |
| 02309 | S 1.10    | NIHS 5h   | 0.250 | 4.50    | 237.00 |
| 02310 | S 1.20    | NIHS 5h   | 0.250 | 4.50    | 237.00 |
| 02311 | S 1.30    | NIHS 5h   | 0.300 | 4.50    | 237.00 |
| 02312 | S 1.40    | NIHS 5h   | 0.300 | 4.50    | 237.00 |
| 02313 | S 1.50    | NIHS 5h   | 0.300 | 4.50    | 237.00 |
| 02314 | M 1.60    | NIHS 6g   | 0.350 | 4.50    | 270.00 |
| 02315 | M 1.70    | NIHS 6g   | 0.350 | 4.50    | 270.00 |
| 02316 | M 1.80    | NIHS 6g   | 0.350 | 4.50    | 270.00 |

Conditions of sale: Net prices

April 2022

Screw-plates and Taps 31



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## 2. CUTTING TOOLS

### Horology Drill

HSS



#### YAMAMOTO MICRO DRILL

For materials generating long and short chips.

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.005 |            |         |          |         |       |
| 00010  | 0.10       | 19      | 0.6      | 1.0     | 6.90  |
| 00011  | 0.11       | 19      | 0.7      | 1.0     | 6.90  |
| 00012  | 0.12       | 19      | 0.7      | 1.0     | 6.90  |
| 00013  | 0.13       | 19      | 0.9      | 1.0     | 5.75  |
| 00014  | 0.14       | 19      | 1.0      | 1.0     | 5.75  |
| 00015  | 0.15       | 19      | 1.0      | 1.0     | 5.75  |
| 00016  | 0.16       | 20      | 1.1      | 1.0     | 5.05  |
| 00017  | 0.17       | 20      | 1.1      | 1.0     | 5.05  |
| 00018  | 0.18       | 20      | 1.2      | 1.0     | 5.05  |
| 00019  | 0.19       | 20      | 1.2      | 1.0     | 5.05  |
| 00020  | 0.20       | 20      | 1.4      | 1.0     | 4.55  |
| 00021  | 0.21       | 20      | 1.4      | 1.0     | 4.75  |
| 00022  | 0.22       | 20      | 1.6      | 1.0     | 4.75  |
| 00023  | 0.23       | 20      | 1.6      | 1.0     | 4.75  |
| 00024  | 0.24       | 20      | 1.6      | 1.0     | 4.75  |
| 00025  | 0.25       | 20      | 1.8      | 1.0     | 4.75  |
| 00026  | 0.26       | 20      | 2.0      | 1.0     | 4.75  |
| 00027  | 0.27       | 20      | 2.0      | 1.0     | 4.75  |
| 00028  | 0.28       | 20      | 2.0      | 1.0     | 4.75  |
| 00029  | 0.29       | 20      | 2.2      | 1.0     | 4.75  |
| 00030  | 0.30       | 20      | 2.2      | 1.0     | 4.40  |
| 00031  | 0.31       | 21      | 2.2      | 1.0     | 4.60  |
| 00032  | 0.32       | 21      | 2.2      | 1.0     | 4.60  |
| 00033  | 0.33       | 21      | 2.2      | 1.0     | 4.60  |
| 00034  | 0.34       | 21      | 2.2      | 1.0     | 4.60  |
| 00035  | 0.35       | 21      | 2.5      | 1.0     | 4.60  |
| 00036  | 0.36       | 21      | 2.5      | 1.0     | 4.60  |
| 00037  | 0.37       | 21      | 2.5      | 1.0     | 4.60  |
| 00038  | 0.38       | 21      | 2.5      | 1.0     | 4.60  |
| 00039  | 0.39       | 21      | 2.8      | 1.0     | 4.60  |

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.005 |            |         |          |         |       |
| 00040  | 0.40       | 21      | 2.8      | 1.0     | 4.10  |
| 00041  | 0.41       | 21      | 2.8      | 1.0     | 4.25  |
| 00042  | 0.42       | 21      | 2.8      | 1.0     | 4.25  |
| 00043  | 0.43       | 21      | 3.2      | 1.0     | 4.25  |
| 00044  | 0.44       | 21      | 3.2      | 1.0     | 4.25  |
| 00045  | 0.45       | 21      | 3.2      | 1.0     | 4.25  |
| 00046  | 0.46       | 21      | 3.2      | 1.0     | 4.25  |
| 00047  | 0.47       | 21      | 3.2      | 1.0     | 4.25  |
| 00048  | 0.48       | 21      | 3.2      | 1.0     | 4.25  |
| 00049  | 0.49       | 22      | 3.6      | 1.0     | 4.25  |
| 00050  | 0.50       | 22      | 3.6      | 1.0     | 4.10  |
| 00051  | 0.51       | 22      | 3.6      | 1.0     | 4.25  |
| 00052  | 0.52       | 22      | 3.6      | 1.0     | 4.25  |
| 00053  | 0.53       | 22      | 3.6      | 1.0     | 4.25  |
| 00054  | 0.54       | 22      | 4.0      | 1.0     | 4.25  |
| 00055  | 0.55       | 22      | 4.0      | 1.0     | 4.25  |
| 00056  | 0.56       | 22      | 4.0      | 1.0     | 4.25  |
| 00057  | 0.57       | 22      | 4.0      | 1.0     | 4.25  |
| 00058  | 0.58       | 22      | 4.0      | 1.0     | 4.25  |
| 00059  | 0.59       | 22      | 4.0      | 1.0     | 4.25  |
| 00060  | 0.60       | 22      | 4.0      | 1.0     | 4.10  |
| 00061  | 0.61       | 23      | 4.5      | 1.0     | 4.25  |
| 00062  | 0.62       | 23      | 4.5      | 1.0     | 4.25  |
| 00063  | 0.63       | 23      | 4.5      | 1.0     | 4.25  |
| 00064  | 0.64       | 23      | 4.5      | 1.0     | 4.25  |
| 00065  | 0.65       | 23      | 4.5      | 1.0     | 4.25  |
| 00066  | 0.66       | 23      | 4.5      | 1.0     | 4.25  |
| 00067  | 0.67       | 23      | 4.5      | 1.0     | 4.25  |
| 00068  | 0.68       | 24      | 5.0      | 1.0     | 4.25  |
| 00069  | 0.69       | 24      | 5.0      | 1.0     | 4.25  |

Conditions of sale: 10% discount per order of 100 identical pieces



## Horology drill

### HSS

#### YAMAMOTO MICRO DRILL



For materials generating long and short chips.

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.005 |            |         |          |         |       |
| 00070  | 0.70       | 24      | 5.0      | 1.0     | 4.10  |
| 00071  | 0.71       | 24      | 5.0      | 1.0     | 4.25  |
| 00072  | 0.72       | 24      | 5.0      | 1.0     | 4.25  |
| 00073  | 0.73       | 24      | 5.0      | 1.0     | 4.25  |
| 00074  | 0.74       | 25      | 5.6      | 1.0     | 4.25  |
| 00075  | 0.75       | 25      | 5.6      | 1.0     | 4.25  |
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.006 |            |         |          |         |       |
| 00076  | 0.76       | 25      | 5.6      | 1.5     | 4.55  |
| 00077  | 0.77       | 25      | 5.6      | 1.5     | 4.55  |
| 00078  | 0.78       | 25      | 5.6      | 1.5     | 4.55  |
| 00079  | 0.79       | 25      | 5.6      | 1.5     | 4.55  |
| 00080  | 0.80       | 25      | 5.6      | 1.5     | 4.40  |
| 00081  | 0.81       | 25      | 5.6      | 1.5     | 4.55  |
| 00082  | 0.82       | 25      | 5.6      | 1.5     | 4.55  |
| 00083  | 0.83       | 25      | 5.6      | 1.5     | 4.55  |
| 00084  | 0.84       | 25      | 5.6      | 1.5     | 4.55  |
| 00085  | 0.85       | 25      | 5.6      | 1.5     | 4.55  |
| 00086  | 0.86       | 25      | 6.3      | 1.5     | 4.55  |
| 00087  | 0.87       | 25      | 6.3      | 1.5     | 4.55  |
| 00088  | 0.88       | 25      | 6.3      | 1.5     | 4.55  |
| 00089  | 0.89       | 25      | 6.3      | 1.5     | 4.55  |
| 00090  | 0.90       | 25      | 6.3      | 1.5     | 4.25  |
| 00091  | 0.91       | 25      | 6.3      | 1.5     | 4.55  |
| 00092  | 0.92       | 25      | 6.3      | 1.5     | 4.55  |
| 00093  | 0.93       | 25      | 6.3      | 1.5     | 4.55  |
| 00094  | 0.94       | 25      | 6.3      | 1.5     | 4.55  |
| 00095  | 0.95       | 25      | 6.3      | 1.5     | 4.55  |
| 00096  | 0.96       | 25      | 7.1      | 1.5     | 4.55  |
| 00097  | 0.97       | 25      | 7.1      | 1.5     | 4.55  |
| 00098  | 0.98       | 25      | 7.1      | 1.5     | 4.55  |
| 00099  | 0.99       | 25      | 7.1      | 1.5     | 4.55  |

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.006 |            |         |          |         |       |
| 00100  | 1.00       | 25      | 7.1      | 1.5     | 4.25  |
| 00101  | 1.01       | 25      | 7.1      | 1.5     | 4.55  |
| 00102  | 1.02       | 25      | 7.1      | 1.5     | 4.55  |
| 00103  | 1.03       | 25      | 7.1      | 1.5     | 4.55  |
| 00104  | 1.04       | 25      | 7.1      | 1.5     | 4.55  |
| 00105  | 1.05       | 25      | 7.1      | 1.5     | 4.55  |
| 00106  | 1.06       | 25      | 7.1      | 1.5     | 4.55  |
| 00107  | 1.07       | 26      | 8.0      | 1.5     | 4.55  |
| 00108  | 1.08       | 26      | 8.0      | 1.5     | 4.55  |
| 00109  | 1.09       | 26      | 8.0      | 1.5     | 4.55  |
| 00110  | 1.10       | 26      | 8.0      | 1.5     | 4.25  |
| 00111  | 1.11       | 26      | 8.0      | 1.5     | 4.55  |
| 00112  | 1.12       | 26      | 8.0      | 1.5     | 4.55  |
| 00113  | 1.13       | 26      | 8.0      | 1.5     | 4.55  |
| 00114  | 1.14       | 26      | 8.0      | 1.5     | 4.55  |
| 00115  | 1.15       | 26      | 8.0      | 1.5     | 4.55  |
| 00116  | 1.16       | 26      | 8.0      | 1.5     | 4.55  |
| 00117  | 1.17       | 26      | 8.0      | 1.5     | 4.55  |
| 00118  | 1.18       | 26      | 8.0      | 1.5     | 4.55  |
| 00119  | 1.19       | 27      | 9.0      | 1.5     | 4.55  |
| 00120  | 1.20       | 27      | 9.0      | 1.5     | 4.25  |
| 00121  | 1.21       | 27      | 9.0      | 1.5     | 4.55  |
| 00122  | 1.22       | 27      | 9.0      | 1.5     | 4.55  |
| 00123  | 1.23       | 27      | 9.0      | 1.5     | 4.55  |
| 00124  | 1.24       | 27      | 9.0      | 1.5     | 4.55  |
| 00125  | 1.25       | 27      | 9.0      | 1.5     | 4.55  |
| 00130  | 1.30       | 27      | 9.0      | 1.5     | 4.25  |
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.008 |            |         |          |         |       |
| 00135  | 1.35       | 28      | 10.0     | 2.0     | 5.05  |
| 00140  | 1.40       | 28      | 10.0     | 2.0     | 4.85  |
| 00145  | 1.45       | 28      | 10.0     | 2.0     | 5.05  |
| 00150  | 1.50       | 28      | 10.0     | 2.0     | 4.85  |

Conditions of sale: 10% discount per order of 100 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Horology Drill

*Right cutting, 24° helix, 118° point*

**Carbide**

**1131 R**

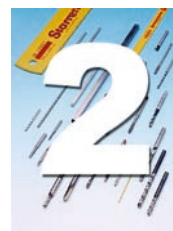


For materials generating long and short chips.

| Ref.  | Ø drilling | l total  | l useful | Ø shaft                 | PRICE |
|-------|------------|--|----------|-------------------------|-------|
|       |            | Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004 |          | Ø <sub>shaft</sub> = h6 |       |
| 08010 | 0.10       | 30   | 0.7      | 1.0                     | 15.50 |
| 08011 | 0.11       | 30   | 0.7      | 1.0                     | 15.00 |
| 08012 | 0.12       | 30   | 0.7      | 1.0                     | 15.00 |
| 08013 | 0.13       | 30   | 0.7      | 1.0                     | 15.00 |
| 08014 | 0.14       | 30   | 0.7      | 1.0                     | 15.00 |
| 08015 | 0.15       | 30   | 1.0      | 1.0                     | 13.60 |
| 08016 | 0.16       | 30   | 1.0      | 1.0                     | 14.60 |
| 08017 | 0.17       | 30   | 1.0      | 1.0                     | 14.60 |
| 08018 | 0.18       | 30   | 1.0      | 1.0                     | 14.60 |
| 08019 | 0.19       | 30   | 1.0      | 1.0                     | 14.60 |
| 08020 | 0.20       | 30   | 1.0      | 1.0                     | 11.20 |
| 08021 | 0.21       | 30   | 1.0      | 1.0                     | 13.10 |
| 08022 | 0.22       | 30   | 1.0      | 1.0                     | 13.10 |
| 08023 | 0.23       | 30   | 1.0      | 1.0                     | 13.10 |
| 08024 | 0.24       | 30   | 1.0      | 1.0                     | 13.10 |
| 08025 | 0.25       | 30   | 1.0      | 1.0                     | 11.20 |
| 08026 | 0.26       | 30   | 1.0      | 1.0                     | 13.10 |
| 08027 | 0.27       | 30   | 1.0      | 1.0                     | 13.10 |
| 08028 | 0.28       | 30   | 1.0      | 1.0                     | 13.10 |
| 08029 | 0.29       | 30   | 1.0      | 1.0                     | 13.10 |
| 08030 | 0.30       | 30   | 1.5      | 1.0                     | 11.30 |
| 08031 | 0.31       | 30   | 1.5      | 1.0                     | 13.10 |
| 08032 | 0.32       | 30   | 1.5      | 1.0                     | 13.10 |
| 08033 | 0.33       | 30   | 1.5      | 1.0                     | 13.10 |
| 08034 | 0.34       | 30   | 1.5      | 1.0                     | 13.10 |
| 08035 | 0.35       | 30   | 1.5      | 1.0                     | 10.10 |
| 08036 | 0.36       | 30   | 1.5      | 1.0                     | 13.10 |
| 08037 | 0.37       | 30   | 1.5      | 1.0                     | 13.10 |
| 08038 | 0.38       | 30   | 1.5      | 1.0                     | 13.10 |
| 08039 | 0.39       | 30   | 1.5      | 1.0                     | 13.10 |

| Ref.  | Ø drilling | l total  | l useful | Ø shaft                 | PRICE |
|-------|------------|--|----------|-------------------------|-------|
|       |            | Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004 |          | Ø <sub>shaft</sub> = h6 |       |
| 08040 | 0.40       | 30   | 2.0      | 1                       | 10.10 |
| 08041 | 0.41       | 30   | 2.0      | 1                       | 13.10 |
| 08042 | 0.42       | 30   | 2.0      | 1                       | 13.10 |
| 08043 | 0.43       | 30   | 2.0      | 1                       | 13.10 |
| 08044 | 0.44       | 30   | 2.0      | 1                       | 13.10 |
| 08045 | 0.45       | 30   | 3.6      | 1                       | 9.10  |
| 08046 | 0.46       | 30   | 3.6      | 1                       | 13.10 |
| 08047 | 0.47       | 30   | 3.6      | 1                       | 13.10 |
| 08048 | 0.48       | 30   | 3.6      | 1                       | 13.10 |
| 08049 | 0.49       | 30   | 4.0      | 1                       | 13.10 |
| 08050 | 0.50       | 30   | 4.0      | 1                       | 9.10  |
| 08051 | 0.51       | 30   | 4.0      | 1                       | 13.10 |
| 08052 | 0.52       | 30   | 4.0      | 1                       | 13.10 |
| 08053 | 0.53       | 30   | 4.0      | 1                       | 13.10 |
| 08054 | 0.54       | 30   | 4.5      | 1                       | 13.10 |
| 08055 | 0.55       | 30   | 4.5      | 1                       | 9.10  |
| 08056 | 0.56       | 30   | 4.5      | 1                       | 13.10 |
| 08057 | 0.57       | 30   | 4.5      | 1                       | 13.10 |
| 08058 | 0.58       | 30   | 4.5      | 1                       | 13.10 |
| 08059 | 0.59       | 30   | 4.5      | 1                       | 13.10 |
| 08060 | 0.60       | 30   | 4.5      | 1                       | 9.10  |
| 08061 | 0.61       | 30   | 5.0      | 1                       | 13.10 |
| 08062 | 0.62       | 30   | 5.0      | 1                       | 13.10 |
| 08063 | 0.63       | 30   | 5.0      | 1                       | 13.10 |
| 08064 | 0.64       | 30   | 5.0      | 1                       | 13.10 |
| 08065 | 0.65       | 30   | 5.0      | 1                       | 9.10  |
| 08066 | 0.66       | 30   | 5.0      | 1                       | 13.10 |
| 08067 | 0.67       | 30   | 5.0      | 1                       | 13.10 |
| 08068 | 0.68       | 30   | 5.6      | 1                       | 13.10 |
| 08069 | 0.69       | 30   | 5.6      | 1                       | 13.10 |

**Conditions of sale: Discount by quantity:**  
**5% for 10 identical pieces**  
**10% for 30 identical pieces**  
**15% for 50 identical pieces**



## Horology Drill

Right cutting, 24° helix, 118° point

Carbide

1131 R



For materials generating long and short chips.

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ødrilling = + 0 / - 0.004      Øshaft = h6 |            |         |          |         |       |
| 08070   | 0.70       | 30      | 5.60     | 1.0     | 9.10  |
| 08071   | 0.71       | 30      | 5.60     | 1.0     | 13.10 |
| 08072   | 0.72       | 30      | 5.60     | 1.0     | 13.10 |
| 08073   | 0.73       | 30      | 5.60     | 1.0     | 13.10 |
| 08074   | 0.74       | 30      | 5.60     | 1.0     | 13.10 |
| 08075   | 0.75       | 30      | 5.60     | 1.0     | 8.70  |
| 08076   | 0.76       | 30      | 6.30     | 1.0     | 13.10 |
| 08077   | 0.77       | 30      | 6.30     | 1.0     | 13.10 |
| 08078   | 0.78       | 30      | 6.30     | 1.0     | 13.10 |
| 08079   | 0.79       | 30      | 6.30     | 1.0     | 13.10 |
| 08080   | 0.80       | 30      | 6.30     | 1.5     | 8.70  |
| 08081   | 0.81       | 30      | 6.30     | 1.5     | 14.20 |
| 08082   | 0.82       | 30      | 6.30     | 1.5     | 14.20 |
| 08083   | 0.83       | 30      | 6.30     | 1.5     | 14.20 |
| 08084   | 0.84       | 30      | 6.30     | 1.5     | 14.20 |
| 08085   | 0.85       | 30      | 6.30     | 1.5     | 8.70  |
| 08086   | 0.86       | 30      | 7.25     | 1.5     | 14.20 |
| 08087   | 0.87       | 30      | 7.25     | 1.5     | 14.20 |
| 08088   | 0.88       | 30      | 7.25     | 1.5     | 14.20 |
| 08089   | 0.89       | 30      | 7.25     | 1.5     | 14.20 |
| 08090   | 0.90       | 30      | 7.25     | 1.5     | 8.70  |
| 08091   | 0.91       | 30      | 7.25     | 1.5     | 14.20 |
| 08092   | 0.92       | 30      | 7.25     | 1.5     | 14.20 |
| 08093   | 0.93       | 30      | 7.25     | 1.5     | 14.20 |
| 08094   | 0.94       | 30      | 7.25     | 1.5     | 14.20 |
| 08095   | 0.95       | 30      | 7.25     | 1.5     | 8.70  |
| 08096   | 0.96       | 30      | 8.00     | 1.5     | 14.20 |
| 08097   | 0.97       | 30      | 8.00     | 1.5     | 14.20 |
| 08098   | 0.98       | 30      | 8.00     | 1.5     | 14.20 |
| 08099   | 0.99       | 30      | 8.00     | 1.5     | 14.20 |

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ødrilling = + 0 / - 0.004      Øshaft = h6 |            |         |          |         |       |
| 08100   | 1.00       | 30      | 9.00     | 1.5     | 12.20 |
| 08101   | 1.01       | 30      | 9.0      | 1.5     | 14.30 |
| 08102   | 1.02       | 30      | 9.0      | 1.5     | 14.30 |
| 08103   | 1.03       | 30      | 9.0      | 1.5     | 14.30 |
| 08104   | 1.04       | 30      | 9.0      | 1.5     | 14.30 |
| 08105   | 1.05       | 30      | 9.0      | 1.5     | 12.90 |
| 08106   | 1.06       | 30      | 9.0      | 1.5     | 14.30 |
| 08107   | 1.07       | 30      | 9.0      | 1.5     | 14.30 |
| 08108   | 1.08       | 30      | 9.0      | 1.5     | 14.30 |
| 08109   | 1.09       | 30      | 9.0      | 1.5     | 14.30 |
| 08110   | 1.10       | 30      | 9.0      | 1.5     | 12.20 |
| 08111   | 1.11       | 30      | 9.0      | 1.5     | 14.30 |
| 08112   | 1.12       | 30      | 9.0      | 1.5     | 14.30 |
| 08113   | 1.13       | 30      | 9.0      | 1.5     | 14.30 |
| 08114   | 1.14       | 30      | 9.0      | 1.5     | 14.30 |
| 08115   | 1.15       | 30      | 9.0      | 1.5     | 12.90 |
| 08116   | 1.16       | 30      | 9.0      | 1.5     | 14.30 |
| 08117   | 1.17       | 30      | 9.0      | 1.5     | 14.30 |
| 08118   | 1.18       | 30      | 9.0      | 1.5     | 14.30 |
| 08119   | 1.19       | 30      | 10.0     | 1.5     | 14.30 |
| 08120   | 1.20       | 30      | 10.0     | 1.5     | 12.20 |
| 08121   | 1.21       | 30      | 10.0     | 1.5     | 14.30 |
| 08122   | 1.22       | 30      | 10.0     | 1.5     | 14.30 |
| 08123   | 1.23       | 30      | 10.0     | 1.5     | 14.30 |
| 08124   | 1.24       | 30      | 10.0     | 1.5     | 14.30 |
| 08125   | 1.25       | 30      | 10.0     | 1.5     | 12.90 |
| 08130   | 1.30       | 30      | 10.0     | 1.5     | 12.20 |
| 08135   | 1.35       | 30      | 11.2     | 1.5     | 12.90 |
| 08140   | 1.40       | 30      | 11.2     | 1.5     | 12.20 |
| 08145   | 1.45       | 30      | 11.2     | 1.5     | 12.90 |
| 08150   | 1.50       | 38      | 11.2     | 2.0     | 15.70 |
| 08155   | 1.55       | 38      | 12.0     | 2.0     | 15.70 |
| 08160   | 1.60       | 38      | 12.0     | 2.0     | 15.70 |

Conditions of sale, discount by quantity:

- 5 % for 10 identical pieces
- 10 % for 30 identical pieces
- 15 % for 50 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Horology Drill

*Right cutting*

*HSSE with TIN surface*

**YAMAMOTO MICRO DRILL, HSSE**



TIN surface lengthens life last.

Articles in red are in stock.

Use: high-resistance steel, stainless steel, bronze, etc.

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.005 |            |         |          |         |       |
| 10010  | 0.10       | 19      | 0.6      | 1.0     | 12.55 |
| 10011  | 0.11       | 19      | 0.7      | 1.0     | 12.55 |
| 10012  | 0.12       | 19      | 0.7      | 1.0     | 12.55 |
| 10013  | 0.13       | 19      | 0.9      | 1.0     | 11.40 |
| 10014  | 0.14       | 19      | 1.0      | 1.0     | 11.40 |
| 10015  | 0.15       | 19      | 1.0      | 1.0     | 11.40 |
| 10016  | 0.16       | 20      | 1.1      | 1.0     | 10.70 |
| 10017  | 0.17       | 20      | 1.1      | 1.0     | 10.70 |
| 10018  | 0.18       | 20      | 1.2      | 1.0     | 10.70 |
| 10019  | 0.19       | 20      | 1.2      | 1.0     | 10.70 |
| 10020  | 0.20       | 20      | 1.4      | 1.0     | 10.20 |
| 10021  | 0.21       | 20      | 1.4      | 1.0     | 10.40 |
| 10022  | 0.22       | 20      | 1.6      | 1.0     | 10.40 |
| 10023  | 0.23       | 20      | 1.6      | 1.0     | 10.40 |
| 10024  | 0.24       | 20      | 1.6      | 1.0     | 10.40 |
| 10025  | 0.25       | 20      | 1.8      | 1.0     | 10.40 |
| 10026  | 0.26       | 20      | 2.0      | 1.0     | 10.40 |
| 10027  | 0.27       | 20      | 2.0      | 1.0     | 10.40 |
| 10028  | 0.28       | 20      | 2.0      | 1.0     | 10.40 |
| 10029  | 0.29       | 20      | 2.2      | 1.0     | 10.40 |
| 10030  | 0.30       | 20      | 2.2      | 1.0     | 10.05 |
| 10031  | 0.31       | 21      | 2.2      | 1.0     | 10.25 |
| 10032  | 0.32       | 21      | 2.2      | 1.0     | 10.25 |
| 10033  | 0.33       | 21      | 2.2      | 1.0     | 10.25 |
| 10034  | 0.34       | 21      | 2.2      | 1.0     | 10.25 |
| 10035  | 0.35       | 21      | 2.5      | 1.0     | 10.25 |
| 10036  | 0.36       | 21      | 2.5      | 1.0     | 10.25 |
| 10037  | 0.37       | 21      | 2.5      | 1.0     | 10.25 |
| 10038  | 0.38       | 21      | 2.5      | 1.0     | 10.25 |
| 10039  | 0.39       | 21      | 2.8      | 1.0     | 10.25 |

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.005 |            |         |          |         |       |
| 10040  | 0.40       | 21      | 2.8      | 1.0     | 9.75  |
| 10041  | 0.41       | 21      | 2.8      | 1.0     | 9.90  |
| 10042  | 0.42       | 21      | 2.8      | 1.0     | 9.90  |
| 10043  | 0.43       | 21      | 3.2      | 1.0     | 9.90  |
| 10044  | 0.44       | 21      | 3.2      | 1.0     | 9.90  |
| 10045  | 0.45       | 21      | 3.2      | 1.0     | 9.90  |
| 10046  | 0.46       | 21      | 3.2      | 1.0     | 9.90  |
| 10047  | 0.47       | 21      | 3.2      | 1.0     | 9.90  |
| 10048  | 0.48       | 21      | 3.2      | 1.0     | 9.90  |
| 10049  | 0.49       | 22      | 3.6      | 1.0     | 9.90  |
| 10050  | 0.50       | 22      | 3.6      | 1.0     | 9.75  |
| 10051  | 0.51       | 22      | 3.6      | 1.0     | 9.90  |
| 10052  | 0.52       | 22      | 3.6      | 1.0     | 9.90  |
| 10053  | 0.53       | 22      | 3.6      | 1.0     | 9.90  |
| 10054  | 0.54       | 22      | 4.0      | 1.0     | 9.90  |
| 10055  | 0.55       | 22      | 4.0      | 1.0     | 9.90  |
| 10056  | 0.56       | 22      | 4.0      | 1.0     | 9.90  |
| 10057  | 0.57       | 22      | 4.0      | 1.0     | 9.90  |
| 10058  | 0.58       | 22      | 4.0      | 1.0     | 9.90  |
| 10059  | 0.59       | 22      | 4.0      | 1.0     | 9.90  |
| 10060  | 0.60       | 22      | 4.0      | 1.0     | 9.75  |
| 10061  | 0.61       | 23      | 4.5      | 1.0     | 9.90  |
| 10062  | 0.62       | 23      | 4.5      | 1.0     | 9.90  |
| 10063  | 0.63       | 23      | 4.5      | 1.0     | 9.90  |
| 10064  | 0.64       | 23      | 4.5      | 1.0     | 9.90  |
| 10065  | 0.65       | 23      | 4.5      | 1.0     | 9.90  |
| 10066  | 0.66       | 23      | 4.5      | 1.0     | 9.90  |
| 10067  | 0.67       | 23      | 4.5      | 1.0     | 9.90  |
| 10068  | 0.68       | 24      | 5.0      | 1.0     | 9.90  |
| 10069  | 0.69       | 24      | 5.0      | 1.0     | 9.90  |

Conditions of sale: Discount by quantity: 5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



## Horology Drill

right cutting

HSSE with TIN surface

YAMAMOTO MICRO DRILL



TIN surface lengthens life last.

Articles in red are in stock.

Use: high-resistance steel, stainless steel, bronze, etc.

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.005 |            |         |          |         |       |
| 10070  | 0.70       | 24      | 5.0      | 1.0     | 9.75  |
| 10071  | 0.71       | 24      | 5.0      | 1.0     | 9.90  |
| 10072  | 0.72       | 24      | 5.0      | 1.0     | 9.90  |
| 10073  | 0.73       | 24      | 5.0      | 1.0     | 9.90  |
| 10074  | 0.74       | 25      | 5.6      | 1.0     | 9.90  |
| 10075  | 0.75       | 25      | 5.6      | 1.0     | 9.90  |
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.006 |            |         |          |         |       |
| 10076  | 0.76       | 25      | 5.6      | 1.5     | 10.20 |
| 10077  | 0.77       | 25      | 5.6      | 1.5     | 10.20 |
| 10078  | 0.78       | 25      | 5.6      | 1.5     | 10.20 |
| 10079  | 0.79       | 25      | 5.6      | 1.5     | 10.20 |
| 10080  | 0.80       | 25      | 5.6      | 1.5     | 10.05 |
| 10081  | 0.81       | 25      | 5.6      | 1.5     | 10.20 |
| 10082  | 0.82       | 25      | 5.6      | 1.5     | 10.20 |
| 10083  | 0.83       | 25      | 5.6      | 1.5     | 10.20 |
| 10084  | 0.84       | 25      | 5.6      | 1.5     | 10.20 |
| 10085  | 0.85       | 25      | 5.6      | 1.5     | 10.20 |
| 10086  | 0.86       | 25      | 6.3      | 1.5     | 10.20 |
| 10087  | 0.87       | 25      | 6.3      | 1.5     | 10.20 |
| 10088  | 0.88       | 25      | 6.3      | 1.5     | 10.20 |
| 10089  | 0.89       | 25      | 6.3      | 1.5     | 10.20 |
| 10090  | 0.90       | 25      | 6.3      | 1.5     | 9.90  |
| 10091  | 0.91       | 25      | 6.3      | 1.5     | 10.20 |
| 10092  | 0.92       | 25      | 6.3      | 1.5     | 10.20 |
| 10093  | 0.93       | 25      | 6.3      | 1.5     | 10.20 |
| 10094  | 0.94       | 25      | 6.3      | 1.5     | 10.20 |
| 10095  | 0.95       | 25      | 6.3      | 1.5     | 10.20 |
| 10096  | 0.96       | 25      | 7.1      | 1.5     | 10.20 |
| 10097  | 0.97       | 25      | 7.1      | 1.5     | 10.20 |
| 10098  | 0.98       | 25      | 7.1      | 1.5     | 10.20 |
| 10099  | 0.99       | 25      | 7.1      | 1.5     | 10.20 |

| Ref.   | Ø drilling | l total | l useful | Ø shaft | PRICE |
|--|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.006 |            |         |          |         |       |
| 10100  | 1.00       | 25      | 7.1      | 1.5     | 9.90  |
| 10101  | 1.01       | 25      | 7.1      | 1.5     | 10.20 |
| 10102  | 1.02       | 25      | 7.1      | 1.5     | 10.20 |
| 10103  | 1.03       | 25      | 7.1      | 1.5     | 10.20 |
| 10104  | 1.04       | 25      | 7.1      | 1.5     | 10.20 |
| 10105  | 1.05       | 25      | 7.1      | 1.5     | 10.20 |
| 10106  | 1.06       | 25      | 7.1      | 1.5     | 10.20 |
| 10107  | 1.07       | 26      | 8.0      | 1.5     | 9.70  |
| 10108  | 1.08       | 26      | 8.0      | 1.5     | 9.70  |
| 10109  | 1.09       | 26      | 8.0      | 1.5     | 9.70  |
| 10110  | 1.10       | 26      | 8.0      | 1.5     | 9.40  |
| 10111  | 1.11       | 26      | 8.0      | 1.5     | 9.70  |
| 10112  | 1.12       | 26      | 8.0      | 1.5     | 9.70  |
| 10113  | 1.13       | 26      | 8.0      | 1.5     | 9.70  |
| 10114  | 1.14       | 26      | 8.0      | 1.5     | 9.70  |
| 10115  | 1.15       | 26      | 8.0      | 1.5     | 9.70  |
| 10116  | 1.16       | 26      | 8.0      | 1.5     | 9.70  |
| 10117  | 1.17       | 26      | 8.0      | 1.5     | 9.70  |
| 10118  | 1.18       | 26      | 8.0      | 1.5     | 9.70  |
| 10119  | 1.19       | 27      | 9.0      | 1.5     | 9.70  |
| 10120  | 1.20       | 27      | 9.0      | 1.5     | 9.40  |
| 10121  | 1.21       | 27      | 9.0      | 1.5     | 9.70  |
| 10122  | 1.22       | 27      | 9.0      | 1.5     | 9.70  |
| 10123  | 1.23       | 27      | 9.0      | 1.5     | 9.70  |
| 10124  | 1.24       | 27      | 9.0      | 1.5     | 9.70  |
| 10125  | 1.25       | 27      | 9.0      | 1.5     | 9.40  |
| 10130  | 1.30       | 27      | 9.0      | 1.5     | 9.40  |
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.008 |            |         |          |         |       |
| 10135  | 1.35       | 28      | 10.0     | 2.0     | 10.20 |
| 10140  | 1.40       | 28      | 10.0     | 2.0     | 10.00 |
| 10145  | 1.45       | 28      | 10.0     | 2.0     | 10.20 |
| 10150  | 1.50       | 28      | 10.0     | 2.0     | 10.00 |

Conditions of sale: Discount by quantity: 5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Horology Drill

Right cutting, 24° helix, 118° point

Carbide with TIN surface

1131 R



TIN surface lenghtens life last.

Articles in red are in stock.

Use: high-resistance steel, stainless steel, bronze, etc.

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 11010   | 0.10       | 30      | 0.7      | 1.0     | 23.70 |
| 11011   | 0.11       | 30      | 0.7      | 1.0     | 23.20 |
| 11012   | 0.12       | 30      | 0.7      | 1.0     | 23.20 |
| 11013   | 0.13       | 30      | 0.7      | 1.0     | 23.20 |
| 11014   | 0.14       | 30      | 0.7      | 1.0     | 23.20 |
| 11015   | 0.15       | 30      | 1.0      | 1.0     | 21.80 |
| 11016   | 0.16       | 30      | 1.0      | 1.0     | 22.80 |
| 11017   | 0.17       | 30      | 1.0      | 1.0     | 22.80 |
| 11018   | 0.18       | 30      | 1.0      | 1.0     | 22.80 |
| 11019   | 0.19       | 30      | 1.0      | 1.0     | 22.80 |
| 11020   | 0.20       | 30      | 1.0      | 1.0     | 16.00 |
| 11021   | 0.21       | 30      | 1.0      | 1.0     | 18.10 |
| 11022   | 0.22       | 30      | 1.0      | 1.0     | 18.10 |
| 11023   | 0.23       | 30      | 1.0      | 1.0     | 18.10 |
| 11024   | 0.24       | 30      | 1.0      | 1.0     | 18.10 |
| 11025   | 0.25       | 30      | 1.0      | 1.0     | 16.00 |
| 11026   | 0.26       | 30      | 1.0      | 1.0     | 18.10 |
| 11027   | 0.27       | 30      | 1.0      | 1.0     | 18.10 |
| 11028   | 0.28       | 30      | 1.0      | 1.0     | 18.10 |
| 11029   | 0.29       | 30      | 1.0      | 1.0     | 18.10 |
| 11030   | 0.30       | 30      | 1.5      | 1.0     | 16.10 |
| 11031   | 0.31       | 30      | 1.5      | 1.0     | 18.10 |
| 11032   | 0.32       | 30      | 1.5      | 1.0     | 18.10 |
| 11033   | 0.33       | 30      | 1.5      | 1.0     | 18.10 |
| 11034   | 0.34       | 30      | 1.5      | 1.0     | 18.10 |
| 11035   | 0.35       | 30      | 1.5      | 1.0     | 15.00 |
| 11036   | 0.36       | 30      | 1.5      | 1.0     | 18.10 |
| 11037   | 0.37       | 30      | 1.5      | 1.0     | 18.10 |
| 11038   | 0.38       | 30      | 1.5      | 1.0     | 18.10 |
| 11039   | 0.39       | 30      | 1.5      | 1.0     | 18.10 |

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 11040   | 0.40       | 30      | 2.0      | 1.0     | 15.00 |
| 11041   | 0.41       | 30      | 2.0      | 1.0     | 18.10 |
| 11042   | 0.42       | 30      | 2.0      | 1.0     | 18.10 |
| 11043   | 0.43       | 30      | 2.0      | 1.0     | 18.10 |
| 11044   | 0.44       | 30      | 2.0      | 1.0     | 18.10 |
| 11045   | 0.45       | 30      | 3.6      | 1.0     | 14.10 |
| 11046   | 0.46       | 30      | 3.6      | 1.0     | 18.10 |
| 11047   | 0.47       | 30      | 3.6      | 1.0     | 18.10 |
| 11048   | 0.48       | 30      | 3.6      | 1.0     | 18.10 |
| 11049   | 0.49       | 30      | 4.0      | 1.0     | 18.10 |
| 11050   | 0.50       | 30      | 4.0      | 1.0     | 14.10 |
| 11051   | 0.51       | 30      | 4.0      | 1.0     | 18.10 |
| 11052   | 0.52       | 30      | 4.0      | 1.0     | 18.10 |
| 11053   | 0.53       | 30      | 4.0      | 1.0     | 18.10 |
| 11054   | 0.54       | 30      | 4.5      | 1.0     | 18.10 |
| 11055   | 0.55       | 30      | 4.5      | 1.0     | 14.10 |
| 11056   | 0.56       | 30      | 4.5      | 1.0     | 18.10 |
| 11057   | 0.57       | 30      | 4.5      | 1.0     | 18.10 |
| 11058   | 0.58       | 30      | 4.5      | 1.0     | 18.10 |
| 11059   | 0.59       | 30      | 4.5      | 1.0     | 18.10 |
| 11060   | 0.60       | 30      | 4.5      | 1.0     | 14.10 |
| 11061   | 0.61       | 30      | 5.0      | 1.0     | 18.10 |
| 11062   | 0.62       | 30      | 5.0      | 1.0     | 18.10 |
| 11063   | 0.63       | 30      | 5.0      | 1.0     | 18.10 |
| 11064   | 0.64       | 30      | 5.0      | 1.0     | 18.10 |
| 11065   | 0.65       | 30      | 5.0      | 1.0     | 14.10 |
| 11066   | 0.66       | 30      | 5.0      | 1.0     | 18.10 |
| 11067   | 0.67       | 30      | 5.0      | 1.0     | 18.10 |
| 11068   | 0.68       | 30      | 5.6      | 1.0     | 18.10 |
| 11069   | 0.69       | 30      | 5.6      | 1.0     | 18.10 |

Conditions of sale: Discount by quantity:      5% for 10 identical pieces  
    10% for 30 identical pieces  
    15% for 50 identical pieces





## Horology Drill

Right cutting, 24° helix, 118° point

Carbide with TIN surface

1131 R



TIN surface lengthens life last.

Articles in red are in stock.

Use: high-resistance steel, stainless steel, bronze, etc.

| Ref.   | Ø drilling | l total                 | l useful | Ø shaft | PRICE |
|--|------------|-------------------------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004 |            | Ø <sub>shaft</sub> = h6 |          |         |       |
| 11070  | 0.70       | 30                      | 5.6      | 1.0     | 14.10 |
| 11071  | 0.71       | 30                      | 5.6      | 1.0     | 18.10 |
| 11072  | 0.72       | 30                      | 5.6      | 1.0     | 18.10 |
| 11073  | 0.73       | 30                      | 5.6      | 1.0     | 18.10 |
| 11074  | 0.74       | 30                      | 5.6      | 1.0     | 18.10 |
| 11075  | 0.75       | 30                      | 5.6      | 1.0     | 13.60 |
| 11076  | 0.76       | 30                      | 6.3      | 1.0     | 18.10 |
| 11077  | 0.77       | 30                      | 6.3      | 1.0     | 18.10 |
| 11078  | 0.78       | 30                      | 6.3      | 1.0     | 18.10 |
| 11079  | 0.79       | 30                      | 6.3      | 1.0     | 18.10 |
| 11080  | 0.80       | 30                      | 6.3      | 1.5     | 13.60 |
| 11081  | 0.81       | 30                      | 6.3      | 1.5     | 19.10 |
| 11082  | 0.82       | 30                      | 6.3      | 1.5     | 19.10 |
| 11083  | 0.83       | 30                      | 6.3      | 1.5     | 19.10 |
| 11084  | 0.84       | 30                      | 6.3      | 1.5     | 19.10 |
| 11085  | 0.85       | 30                      | 6.3      | 1.5     | 13.60 |
| 11086  | 0.86       | 30                      | 7.1      | 1.5     | 19.10 |
| 11087  | 0.87       | 30                      | 7.1      | 1.5     | 19.10 |
| 11088  | 0.88       | 30                      | 7.1      | 1.5     | 19.10 |
| 11089  | 0.89       | 30                      | 7.1      | 1.5     | 19.10 |
| 11090  | 0.90       | 30                      | 7.1      | 1.5     | 13.60 |
| 11091  | 0.91       | 30                      | 7.1      | 1.5     | 19.10 |
| 11092  | 0.92       | 30                      | 7.1      | 1.5     | 19.10 |
| 11093  | 0.93       | 30                      | 7.1      | 1.5     | 19.10 |
| 11094  | 0.94       | 30                      | 7.1      | 1.5     | 19.10 |
| 11095  | 0.95       | 30                      | 7.1      | 1.5     | 13.60 |
| 11096  | 0.96       | 30                      | 8.0      | 1.5     | 19.10 |
| 11097  | 0.97       | 30                      | 8.0      | 1.5     | 19.10 |
| 11098  | 0.98       | 30                      | 8.0      | 1.5     | 19.10 |
| 11099  | 0.99       | 30                      | 8.0      | 1.5     | 19.10 |

| Ref.   | Ø drilling | l total                 | l useful | Ø shaft | PRICE |
|--|------------|-------------------------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004 |            | Ø <sub>shaft</sub> = h6 |          |         |       |
| 11100  | 1.00       | 30                      | 9.0      | 1.5     | 17.10 |
| 11101  | 1.01       | 30                      | 9.0      | 1.5     | 19.20 |
| 11102  | 1.02       | 30                      | 9.0      | 1.5     | 19.20 |
| 11103  | 1.03       | 30                      | 9.0      | 1.5     | 19.20 |
| 11104  | 1.04       | 30                      | 9.0      | 1.5     | 19.20 |
| 11105  | 1.05       | 30                      | 9.0      | 1.5     | 17.80 |
| 11106  | 1.06       | 30                      | 9.0      | 1.5     | 19.20 |
| 11107  | 1.07       | 30                      | 9.0      | 1.5     | 19.20 |
| 11108  | 1.08       | 30                      | 9.0      | 1.5     | 19.20 |
| 11109  | 1.09       | 30                      | 9.0      | 1.5     | 19.20 |
| 11110  | 1.10       | 30                      | 9.0      | 1.5     | 17.10 |
| 11111  | 1.11       | 30                      | 9.0      | 1.5     | 19.20 |
| 11112  | 1.12       | 30                      | 9.0      | 1.5     | 19.20 |
| 11113  | 1.13       | 30                      | 9.0      | 1.5     | 19.20 |
| 11114  | 1.14       | 30                      | 9.0      | 1.5     | 19.20 |
| 11115  | 1.15       | 30                      | 9.0      | 1.5     | 17.80 |
| 11116  | 1.16       | 30                      | 9.0      | 1.5     | 19.20 |
| 11117  | 1.17       | 30                      | 9.0      | 1.5     | 19.20 |
| 11118  | 1.18       | 30                      | 9.0      | 1.5     | 19.20 |
| 11119  | 1.19       | 30                      | 10.0     | 1.5     | 19.20 |
| 11120  | 1.20       | 30                      | 10.0     | 1.5     | 17.10 |
| 11121  | 1.21       | 30                      | 10.0     | 1.5     | 19.20 |
| 11122  | 1.22       | 30                      | 10.0     | 1.5     | 19.20 |
| 11123  | 1.23       | 30                      | 10.0     | 1.5     | 19.20 |
| 11124  | 1.24       | 30                      | 10.0     | 1.5     | 19.20 |
| 11125  | 1.25       | 30                      | 10.0     | 1.5     | 17.80 |
| 11130  | 1.30       | 30                      | 10.0     | 1.5     | 17.10 |
| 11135  | 1.35       | 30                      | 11.2     | 1.5     | 17.80 |
| 11140  | 1.40       | 30                      | 11.2     | 1.5     | 17.10 |
| 11145  | 1.45       | 30                      | 11.2     | 1.5     | 17.80 |
| 11150  | 1.50       | 38                      | 11.2     | 2.0     | 20.70 |
| 11155  | 1.55       | 38                      | 12.0     | 2.0     | 20.70 |
| 11160  | 1.60       | 38                      | 12.0     | 2.0     | 20.70 |

Conditions of sale: Discount by quantity: 5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## ASCO Drill

3 lips



Carbide, High performance, 130°

385

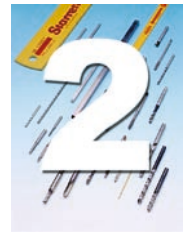
This drill assures a superior quality piercing in surface state and in centring and circularity tolerance.

Shaft : shaft  $\varnothing = 3.175 = 1/8$  "

| Ref.  | $\varnothing$ drilling | l total | l useful | PRICE |
|-------|------------------------|---------|----------|-------|
| 01441 | 0.150                  | 38      | 2.0      | 28.05 |
| 01442 | 0.200                  | 38      | 3.0      | 25.15 |
| 01443 | 0.250                  | 38      | 3.5      | 21.20 |
| 01444 | 0.300                  | 38      | 5.0      | 18.55 |
| 01445 | 0.350                  | 38      | 5.0      | 18.55 |
| 01446 | 0.400                  | 38      | 6.0      | 18.55 |
| 01447 | 0.450                  | 38      | 6.0      | 18.55 |
| 01448 | 0.500                  | 38      | 6.0      | 18.55 |
| 01449 | 0.550                  | 38      | 7.0      | 12.85 |
| 01450 | 0.600                  | 38      | 7.0      | 12.85 |
| 01451 | 0.650                  | 38      | 7.0      | 12.85 |
| 01452 | 0.700                  | 38      | 9.5      | 12.85 |
| 01453 | 0.750                  | 38      | 9.5      | 12.85 |
| 01454 | 0.800                  | 38      | 9.5      | 12.85 |
| 01455 | 0.850                  | 38      | 9.5      | 12.85 |
| 01456 | 0.900                  | 38      | 9.5      | 12.85 |
| 01457 | 0.950                  | 38      | 9.5      | 12.85 |
| 01458 | 1.000                  | 38      | 10.5     | 12.85 |
| 01459 | 1.050                  | 38      | 10.5     | 12.85 |
| 01460 | 1.100                  | 38      | 10.5     | 12.85 |
| 01461 | 1.150                  | 38      | 10.5     | 12.85 |
| 01462 | 1.200                  | 38      | 10.5     | 12.85 |
| 01463 | 1.250                  | 38      | 10.5     | 12.85 |
| 01464 | 1.300                  | 38      | 10.5     | 12.85 |
| 01465 | 1.350                  | 38      | 10.5     | 12.85 |
| 01466 | 1.400                  | 38      | 10.5     | 12.85 |
| 01467 | 1.450                  | 38      | 10.5     | 12.85 |

| Ref.  | $\varnothing$ drilling | l total | l useful | PRICE |
|-------|------------------------|---------|----------|-------|
| 01468 | 1.500                  | 38      | 10.5     | 12.85 |
| 01469 | 1.600                  | 38      | 10.5     | 12.85 |
| 01470 | 1.700                  | 38      | 10.5     | 12.85 |
| 01471 | 1.800                  | 38      | 10.5     | 12.85 |
| 01486 | 1.850                  | 38      | 10.5     | 12.85 |
| 01472 | 1.900                  | 38      | 10.5     | 12.85 |
| 01473 | 2.000                  | 38      | 10.5     | 12.85 |
| 01474 | 2.100                  | 38      | 10.5     | 12.85 |
| 01475 | 2.200                  | 38      | 10.5     | 12.85 |
| 01476 | 2.300                  | 38      | 10.5     | 12.85 |
| 01477 | 2.400                  | 38      | 10.5     | 12.85 |
| 01478 | 2.500                  | 38      | 10.5     | 12.85 |
| 01479 | 2.600                  | 38      | 10.5     | 12.85 |
| 01480 | 2.700                  | 38      | 10.5     | 12.85 |
| 01481 | 2.800                  | 38      | 10.5     | 12.85 |
| 01482 | 2.900                  | 38      | 10.5     | 12.85 |
| 01483 | 3.000                  | 38      | 10.5     | 12.85 |
| 01484 | 3.100                  | 38      | 10.5     | 12.85 |
| 01485 | 3.175                  | 38      | 10.5     | 12.85 |

Conditions of sale: Discount by quantity: 5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



## Right cutting, 35° helix, 90° point

1135 R

Use: high-resistance steel, stainless steel, bronze, etc.  
TIN surface lengthens life last.

Carbide



## ASCO Drill short type

for setting

Carbide + TIN



| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 14161   | 1.60       | 38      | 7.0      | 2.0     | 16.90 |
| 14181   | 1.80       |         | 8.0      |         | 16.90 |

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 15161   | 1.60       | 38      | 7.0      | 2.0     | 21.70 |
| 15181   | 1.80       |         | 8.0      |         | 21.70 |

1111 R

Use: for materials generating long and short chips.

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 16170   | 0.50       | 30      | 3.0      | 1.50    | 13.20 |
| 16175   | 0.80       |         | 5.0      |         | 14.20 |
| 16180   | 1.00       |         | 9.0      |         | 14.20 |

## Centring Bit

Carbide, 1 lip



Conditions of sale: Discount by quantity:  
5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces

| Ref.  | Ø drilling | l total | l useful | Ø shaft | PRICE |       |
|-------|------------|---------|----------|---------|-------|-------|
| 08170 | 0.50       | 30      | 1.0      | 1.50    | 12.50 |       |
| 08171 | 0.55       |         | 1.0      |         | 12.50 |       |
| 08172 | 0.60       |         | 1.2      |         | 12.50 |       |
| 08173 | 0.65       |         | 1.2      |         | 12.50 |       |
| 08174 | 0.70       |         | 1.5      |         | 12.50 |       |
| 08175 | 0.75       |         | 1.5      |         | 12.50 |       |
| 08176 | 0.80       |         | 2.0      |         |       | 12.20 |
| 08177 | 0.85       |         |          |         |       | 12.20 |
| 08178 | 0.90       |         |          |         |       | 12.20 |
| 08179 | 0.95       |         |          |         |       | 12.20 |
| 08180 | 1.00       |         |          |         |       | 12.20 |
| 08181 | 1.05       |         |          |         |       | 12.20 |
| 08182 | 1.10       |         | 2.4      |         |       | 12.20 |
| 08183 | 1.15       |         |          |         |       | 12.20 |
| 08184 | 1.20       |         |          |         |       | 12.20 |
| 08185 | 1.25       |         |          | 12.20   |       |       |
| 08186 | 1.30       |         |          | 12.20   |       |       |
| 08187 | 1.35       |         |          | 12.20   |       |       |
| 08188 | 1.40       |         |          | 12.20   |       |       |
| 08189 | 1.45       |         | 12.20    |         |       |       |

## ASCO Drill short type

Right cutting, 35° helix, 120° point

Carbide, for centring

1109 R

Use: hole centring, for mounting precious stones, for setting in aluminium, copper, platinum and stainless steel.



Conditions of sale: Net prices.



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*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## ASCO Drill

1134 R

*Right cutting, 35° helix, 120° point*

TIN surface lengthens life last.

Use: high-resistance steel, stainless steel, bronze, etc.

Carbide

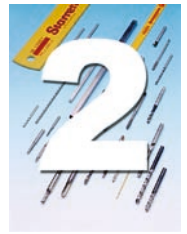
Carbide + TIN



| Ref.  | Ø drilling | l total | l useful | Ø shaft | Price |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø tige = h6 |            |         |          |         |       |
| 12050   | 0.50       | 30      | 4.00     | 1.0     | 13.30 |
| 12055   | 0.55       | 30      | 4.50     | 1.0     | 13.30 |
| 12060   | 0.60       | 30      | 4.50     | 1.0     | 13.30 |
| 12065   | 0.65       | 30      | 5.00     | 1.0     | 13.30 |
| 12070   | 0.70       | 30      | 5.60     | 1.0     | 13.30 |
| 12075   | 0.75       | 30      | 5.60     | 1.0     | 13.30 |
| 12080   | 0.80       | 30      | 6.30     | 1.5     | 13.30 |
| 12085   | 0.85       | 30      | 6.30     | 1.5     | 13.30 |
| 12090   | 0.90       | 30      | 7.10     | 1.5     | 13.30 |
| 12095   | 0.95       | 30      | 7.10     | 1.5     | 13.30 |
| 12100   | 1.00       | 30      | 9.00     | 1.5     | 13.30 |
| 12105   | 1.05       | 30      | 9.00     | 1.5     | 13.30 |
| 12110   | 1.10       | 30      | 9.00     | 1.5     | 13.30 |
| 12115   | 1.15       | 30      | 9.00     | 1.5     | 13.30 |
| 12120   | 1.20       | 30      | 10.00    | 1.5     | 13.30 |
| 12125   | 1.25       | 30      | 10.00    | 1.5     | 13.30 |
| 12130   | 1.30       | 30      | 10.00    | 1.5     | 13.30 |
| 12135   | 1.35       | 30      | 11.20    | 1.5     | 13.30 |
| 12140   | 1.40       | 30      | 11.20    | 1.5     | 13.30 |
| 12145   | 1.45       | 30      | 11.20    | 1.5     | 13.30 |
| 12150   | 1.50       | 38      | 11.20    | 2.0     | 13.30 |
| 12155   | 1.55       | 38      | 12.00    | 2.0     | 17.30 |
| 12160   | 1.60       | 38      | 12.00    | 2.0     | 17.30 |
| 12165   | 1.65       | 38      | 12.00    | 2.0     | 17.30 |
| 12170   | 1.70       | 38      | 12.00    | 2.0     | 17.30 |
| 12175   | 1.75       | 38      | 12.00    | 2.0     | 17.30 |
| 12180   | 1.80       | 38      | 12.00    | 2.0     | 17.30 |
| 12185   | 1.85       | 38      | 12.00    | 2.0     | 17.30 |
| 12190   | 1.90       | 38      | 12.00    | 2.0     | 17.30 |
| 12195   | 1.95       | 38      | 12.00    | 2.0     | 17.30 |

| Ref.  | Ø drilling | l total | l useful | Ø shaft | Price |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø tige = h6 |            |         |          |         |       |
| 13050   | 0.50       | 30      | 4.0      | 1.0     | 18.30 |
| 13055   | 0.55       | 30      | 4.5      | 1.0     | 18.30 |
| 13060   | 0.60       | 30      | 4.5      | 1.0     | 18.30 |
| 13065   | 0.65       | 30      | 5.0      | 1.0     | 18.30 |
| 13070   | 0.70       | 30      | 5.6      | 1.0     | 18.30 |
| 13075   | 0.75       | 30      | 5.6      | 1.0     | 18.30 |
| 13080   | 0.80       | 30      | 6.3      | 1.5     | 18.30 |
| 13085   | 0.85       | 30      | 6.3      | 1.5     | 18.30 |
| 13090   | 0.90       | 30      | 7.1      | 1.5     | 18.30 |
| 13095   | 0.95       | 30      | 7.1      | 1.5     | 18.30 |
| 13100   | 1.00       | 30      | 9.0      | 1.5     | 18.30 |
| 13105   | 1.05       | 30      | 9.0      | 1.5     | 18.30 |
| 13110   | 1.10       | 30      | 9.0      | 1.5     | 18.30 |
| 13115   | 1.15       | 30      | 9.0      | 1.5     | 18.30 |
| 13120   | 1.20       | 30      | 10.0     | 1.5     | 18.30 |
| 13125   | 1.25       | 30      | 10.0     | 1.5     | 18.30 |
| 13130   | 1.30       | 30      | 10.0     | 1.5     | 18.30 |
| 13135   | 1.35       | 30      | 11.2     | 1.5     | 18.30 |
| 13140   | 1.40       | 30      | 11.2     | 1.5     | 18.30 |
| 13145   | 1.45       | 30      | 11.2     | 1.5     | 18.30 |
| 13150   | 1.50       | 38      | 11.2     | 2.0     | 18.30 |
| 13155   | 1.55       | 38      | 12.0     | 2.0     | 22.20 |
| 13160   | 1.60       | 38      | 12.0     | 2.0     | 22.20 |
| 13165   | 1.65       | 38      | 12.0     | 2.0     | 22.20 |
| 13170   | 1.70       | 38      | 12.0     | 2.0     | 22.20 |
| 13175   | 1.75       | 38      | 12.0     | 2.0     | 22.20 |
| 13180   | 1.80       | 38      | 12.0     | 2.0     | 22.20 |
| 13185   | 1.85       | 38      | 12.0     | 2.0     | 22.20 |
| 13190   | 1.90       | 38      | 12.0     | 2.0     | 22.20 |
| 13195   | 1.95       | 38      | 12.0     | 2.0     | 22.20 |

Conditions of sale: Discount by quantity: 5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



## ASCO Drill short type

1135 R

Right cutting, 35° helix, 120° point

For hard alloy AISi  
TIN surface lengthens life last.

Use: high-resistance steel, stainless steel, bronze, etc.

Carbide

Carbide + TIN



| Ref.  | Ø drilling | l total | l useful | Ø shaft | Price |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 14060   | 0.60       | 30      | 4.5      | 1.5     | 13.30 |
| 14070   | 0.70       | 30      | 4.5      | 1.5     | 13.30 |
| 14075   | 0.75       | 30      | 4.5      | 1.5     | 13.30 |
| 14080   | 0.80       | 30      | 5.0      | 1.5     | 13.30 |
| 14085   | 0.85       | 30      | 5.0      | 1.5     | 13.30 |
| 14090   | 0.90       | 30      | 5.0      | 1.5     | 13.30 |
| 14091   | 0.91       | 30      | 5.0      | 1.5     | 13.30 |
| 14094   | 0.94       | 30      | 5.0      | 1.5     | 13.30 |
| 14095   | 0.95       | 30      | 5.0      | 1.5     | 13.30 |
| 14100   | 1.00       | 30      | 5.0      | 1.5     | 13.30 |
| 14104   | 1.04       | 30      | 5.0      | 1.5     | 13.30 |
| 14105   | 1.05       | 30      | 5.0      | 1.5     | 13.30 |
| 14110   | 1.10       | 30      | 5.0      | 1.5     | 13.30 |
| 14115   | 1.15       | 30      | 5.0      | 1.5     | 13.30 |
| 14120   | 1.20       | 30      | 6.0      | 1.5     | 13.30 |
| 14125   | 1.25       | 30      | 6.0      | 1.5     | 13.30 |
| 14130   | 1.30       | 30      | 6.0      | 1.5     | 13.30 |
| 14135   | 1.35       | 30      | 6.0      | 1.5     | 13.30 |
| 14140   | 1.40       | 30      | 6.0      | 1.5     | 13.30 |
| 14145   | 1.45       | 30      | 6.0      | 1.5     | 13.30 |
| 14148   | 1.48       | 30      | 6.0      | 1.5     | 13.30 |
| 14150   | 1.50       | 38      | 7.0      | 2.0     | 17.30 |
| 14155   | 1.55       | 38      | 7.0      | 2.0     | 17.30 |
| 14158   | 1.58       | 38      | 7.0      | 2.0     | 17.30 |
| 14160   | 1.60       | 38      | 7.0      | 2.0     | 17.30 |
| 14165   | 1.65       | 38      | 7.0      | 2.0     | 17.30 |
| 14170   | 1.70       | 38      | 7.0      | 2.0     | 17.30 |
| 14175   | 1.75       | 38      | 7.0      | 2.0     | 17.30 |
| 14178   | 1.78       | 38      | 8.0      | 2.0     | 17.30 |
| 14180   | 1.80       | 38      | 8.0      | 2.0     | 17.30 |
| 14185   | 1.85       | 38      | 8.0      | 2.0     | 17.30 |
| 14190   | 1.90       | 38      | 8.0      | 2.0     | 17.30 |

| Ref.  | Ø drilling | l total | l useful | Ø shaft | Price |
|---|------------|---------|----------|---------|-------|
| Tolerance: Ø <sub>drilling</sub> = + 0 / - 0.004      Ø <sub>shaft</sub> = h6 |            |         |          |         |       |
| 15060   | 0.60       | 30      | 4.5      | 1.5     | 18.30 |
| 15070   | 0.70       | 30      | 4.5      | 1.5     | 18.30 |
| 15075   | 0.75       | 30      | 4.5      | 1.5     | 18.30 |
| 15080   | 0.80       | 30      | 5.0      | 1.5     | 18.30 |
| 15085   | 0.85       | 30      | 5.0      | 1.5     | 18.30 |
| 15090   | 0.90       | 30      | 5.0      | 1.5     | 18.30 |
| 15091   | 0.91       | 30      | 5.0      | 1.5     | 18.30 |
| 15094   | 0.94       | 30      | 5.0      | 1.5     | 18.30 |
| 15095   | 0.95       | 30      | 5.0      | 1.5     | 18.30 |
| 15100   | 1.00       | 30      | 5.0      | 1.5     | 18.30 |
| 15104   | 1.04       | 30      | 5.0      | 1.5     | 18.30 |
| 15105   | 1.05       | 30      | 5.0      | 1.5     | 18.30 |
| 15110   | 1.10       | 30      | 5.0      | 1.5     | 18.30 |
| 15115   | 1.15       | 30      | 5.0      | 1.5     | 18.30 |
| 15120   | 1.20       | 30      | 6.0      | 1.5     | 18.30 |
| 15125   | 1.25       | 30      | 6.0      | 1.5     | 18.30 |
| 15130   | 1.30       | 30      | 6.0      | 1.5     | 18.30 |
| 15135   | 1.35       | 30      | 6.0      | 1.5     | 18.30 |
| 15140   | 1.40       | 30      | 6.0      | 1.5     | 18.30 |
| 15145   | 1.45       | 30      | 6.0      | 1.5     | 18.30 |
| 15148   | 1.48       | 30      | 6.0      | 2.0     | 18.30 |
| 15150   | 1.50       | 38      | 7.0      | 2.0     | 22.20 |
| 15155   | 1.55       | 38      | 7.0      | 2.0     | 22.20 |
| 15158   | 1.58       | 38      | 7.0      | 2.0     | 22.20 |
| 15160   | 1.60       | 38      | 7.0      | 2.0     | 22.20 |
| 15165   | 1.65       | 38      | 7.0      | 2.0     | 22.20 |
| 15170   | 1.70       | 38      | 7.0      | 2.0     | 22.20 |
| 15175   | 1.75       | 38      | 7.0      | 2.0     | 22.20 |
| 15178   | 1.78       | 38      | 8.0      | 2.0     | 22.20 |
| 15180   | 1.80       | 38      | 8.0      | 2.0     | 22.20 |
| 15185   | 1.85       | 38      | 8.0      | 2.0     | 22.20 |
| 15190   | 1.90       | 38      | 8.0      | 2.0     | 22.20 |

Conditions of sale: Discount by quantity: 5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



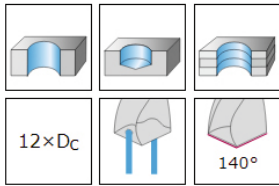
# Schurch Asco SA



Partenaire et Savoir-faire

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

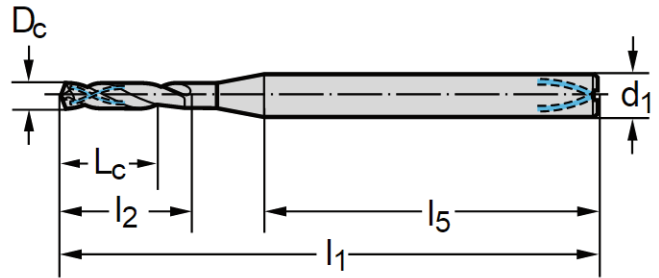
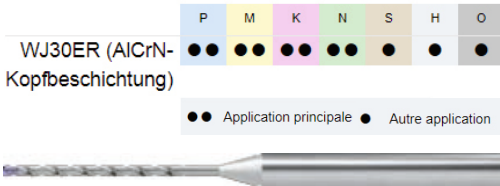
PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : INFO@SCHURCH-ASCO.COM  
WEB : WWW.SCHURCH-ASCO.COM



## Solid Carbide Micro Drills with internal lubrication

MD

**DB133 SUPREME**  
Long cut : 12X D<sub>c</sub>



Drill with central lubrication, high performance with micro-drilling in different materials steel and stainless steel, cast iron, non ferrous metals or aluminium, copper or nickel alloys.  
This drill is made of extra-fine carbide with microline surface allows a considerable lubricant flow and its geometry is fit for deep drilling.

| Ref.  | D <sub>c</sub> | L <sub>c</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>5</sub> | d <sub>1</sub> | Price  |
|-------|----------------|----------------|----------------|----------------|----------------|----------------|--------|
| 08614 | 0.7            | 9.9            | 53             | 11             | 35             | 3              | 176.00 |
| 08615 | 0.75           | 10.8           | 53             | 12             | 34             | 3              | 176.00 |
| 08616 | 0.794          | 10.8           | 53             | 12             | 34             | 3              | 176.00 |
| 08617 | 0.8            | 10.8           | 53             | 12             | 34             | 3              | 176.00 |
| 08618 | 0.85           | 12.6           | 57             | 14             | 36             | 3              | 176.00 |
| 08619 | 0.9            | 12.6           | 57             | 14             | 36             | 3              | 176.00 |
| 08620 | 0.95           | 14.5           | 57             | 16             | 34             | 3              | 176.00 |
| 08621 | 1              | 14.5           | 57             | 16             | 34             | 3              | 176.00 |
| 08622 | 1.05           | 15             | 59             | 17             | 36             | 3              | 176.00 |
| 08623 | 1.1            | 15             | 59             | 17             | 36             | 3              | 176.00 |
| 08624 | 1.15           | 17             | 59             | 19             | 34             | 3              | 176.00 |
| 08625 | 1.191          | 17             | 59             | 19             | 34             | 3              | 176.00 |
| 08626 | 1.2            | 17             | 59             | 19             | 34             | 3              | 176.00 |
| 08627 | 1.25           | 17             | 59             | 19             | 34             | 3              | 176.00 |
| 08628 | 1.3            | 18             | 63             | 20             | 37             | 3              | 176.00 |
| 08629 | 1.35           | 19             | 63             | 22             | 35             | 3              | 176.00 |
| 08630 | 1.4            | 19             | 63             | 22             | 35             | 3              | 176.00 |
| 08631 | 1.45           | 20             | 63             | 23             | 34             | 3              | 176.00 |
| 08632 | 1.5            | 20             | 63             | 23             | 34             | 3              | 176.00 |
| 08633 | 1.55           | 22             | 67             | 25             | 37             | 3              | 176.00 |
| 08634 | 1.588          | 22             | 67             | 25             | 37             | 3              | 176.00 |

| Ref.  | D <sub>c</sub> | L <sub>c</sub> | l <sub>1</sub> | l <sub>2</sub> | l <sub>5</sub> | d <sub>1</sub> | Price  |
|-------|----------------|----------------|----------------|----------------|----------------|----------------|--------|
| 08635 | 1.6            | 22             | 67             | 25             | 37             | 3              | 176.00 |
| 08636 | 1.65           | 23             | 67             | 26             | 36             | 3              | 176.00 |
| 08637 | 1.7            | 23             | 67             | 26             | 36             | 3              | 176.00 |
| 08638 | 1.75           | 25             | 67             | 28             | 34             | 3              | 176.00 |
| 08639 | 1.8            | 25             | 67             | 28             | 34             | 3              | 176.00 |
| 08640 | 1.85           | 26             | 72             | 29             | 38             | 3              | 176.00 |
| 08641 | 1.9            | 26             | 72             | 29             | 38             | 3              | 176.00 |
| 08642 | 1.95           | 28             | 72             | 31             | 36             | 3              | 176.00 |
| 08643 | 1.984          | 28             | 72             | 31             | 36             | 3              | 176.00 |
| 08644 | 2              | 28             | 72             | 31             | 36             | 3              | 170.00 |
| 08645 | 2.1            | 29             | 72             | 33             | 35             | 3              | 170.00 |
| 08646 | 2.2            | 30             | 72             | 34             | 34             | 3              | 197.00 |
| 08647 | 2.3            | 32             | 77             | 36             | 37             | 3              | 197.00 |
| 08648 | 2.381          | 33             | 77             | 37             | 36             | 3              | 197.00 |
| 08649 | 2.4            | 33             | 77             | 37             | 36             | 3              | 197.00 |
| 08650 | 2.5            | 35             | 77             | 39             | 34             | 3              | 197.00 |
| 08651 | 2.6            | 36             | 83             | 40             | 39             | 3              | 197.00 |
| 08652 | 2.7            | 37             | 83             | 42             | 38             | 3              | 197.00 |
| 08653 | 2.778          | 38             | 83             | 43             | 37             | 3              | 197.00 |
| 08654 | 2.8            | 38             | 83             | 43             | 37             | 3              | 197.00 |
| 08655 | 2.9            | 40             | 83             | 45             | 35             | 3              | 197.00 |

Conditions of sale: discount 15%.



## ASCO Drill 1145-HH R

Right cutting, 30° helix, 140° point

Carbide + TiAlN



This drill with central lubrication and TiAlN surface allows a considerable lubricant flow with all the advantages that follow from it. The tolerance on the drilling diameter is written in red for the value 0/-0.004 and in black for the value h6. The shaft tolerance is constantly h6.

| Ref.  | Ø drilling | l total | l useful | Ø shaft | Price |
|-------|------------|---------|----------|---------|-------|
| 17401 | 0.80       | 38      | 5        | 3       | 94.80 |
| 17407 | 1.40       | 38      | 7        | 3       | 94.80 |
| 17408 | 1.50       | 38      | 11       | 3       | 94.80 |
| 17409 | 1.60       | 38      | 11       | 3       | 94.80 |
| 17410 | 1.70       | 38      | 11       | 3       | 94.80 |
| 17411 | 1.80       | 38      | 11       | 3       | 94.80 |
| 17412 | 1.90       | 38      | 11       | 3       | 94.80 |
| 17413 | 2.00       | 38      | 15       | 3       | 94.80 |
| 17414 | 2.10       | 38      | 15       | 3       | 94.80 |
| 17415 | 2.20       | 38      | 15       | 3       | 94.80 |
| 17416 | 2.30       | 50      | 15       | 4       | 94.80 |
| 17417 | 2.40       | 50      | 15       | 4       | 94.80 |
| 17418 | 2.50       | 50      | 18       | 4       | 94.80 |
| 17419 | 2.60       | 50      | 18       | 4       | 94.80 |
| 17420 | 2.70       | 50      | 18       | 4       | 94.80 |
| 17421 | 2.80       | 50      | 18       | 4       | 94.80 |
| 17422 | 2.90       | 60      | 23       | 6       | 94.80 |
| 17423 | 3.00       | 66      | 23       | 6       | 94.80 |
| 17424 | 3.20       | 66      | 23       | 6       | 94.80 |
| 17425 | 3.30       | 66      | 23       | 6       | 94.80 |
| 17426 | 3.40       | 66      | 23       | 6       | 94.80 |
| 17427 | 3.50       | 66      | 23       | 6       | 94.80 |
| 17428 | 3.75       | 74      | 29       | 6       | 96.10 |
| 17429 | 3.80       | 74      | 29       | 6       | 96.10 |
| 17430 | 4.00       | 74      | 29       | 6       | 94.80 |
| 17431 | 4.10       | 74      | 29       | 6       | 96.10 |
| 17432 | 4.20       | 74      | 29       | 6       | 96.10 |
| 17433 | 4.30       | 74      | 29       | 6       | 96.10 |
| 17434 | 4.40       | 82      | 35       | 6       | 96.10 |
| 17435 | 4.50       | 82      | 35       | 6       | 97.50 |

| Ref.  | Ø drilling | l total | l useful | Ø shaft | Price  |
|-------|------------|---------|----------|---------|--------|
| 17436 | 4.80       | 82      | 35       | 6       | 97.50  |
| 17437 | 5.00       | 82      | 35       | 6       | 97.50  |
| 17438 | 5.10       | 82      | 35       | 6       | 97.50  |
| 17439 | 5.20       | 82      | 35       | 6       | 97.50  |
| 17440 | 5.30       | 82      | 35       | 6       | 97.50  |
| 17441 | 5.50       | 82      | 35       | 6       | 97.50  |
| 17442 | 5.60       | 82      | 35       | 6       | 97.50  |
| 17443 | 5.80       | 82      | 35       | 6       | 97.50  |
| 17444 | 6.00       | 82      | 35       | 6       | 97.50  |
| 17445 | 6.10       | 91      | 43       | 8       | 114.00 |
| 17446 | 6.20       | 91      | 43       | 8       | 114.00 |
| 17447 | 6.30       | 91      | 43       | 8       | 114.00 |
| 17448 | 6.35       | 91      | 43       | 8       | 119.90 |
| 17449 | 6.50       | 91      | 43       | 8       | 114.00 |
| 17450 | 6.60       | 91      | 43       | 8       | 119.90 |
| 17451 | 6.80       | 91      | 43       | 8       | 119.90 |
| 17452 | 7.00       | 91      | 43       | 8       | 114.00 |
| 17453 | 7.20       | 91      | 43       | 8       | 119.90 |
| 17454 | 7.30       | 91      | 43       | 8       | 119.90 |
| 17455 | 7.50       | 91      | 43       | 8       | 119.90 |
| 17456 | 7.60       | 91      | 43       | 8       | 119.90 |
| 17457 | 7.80       | 91      | 43       | 8       | 119.90 |
| 17458 | 8.00       | 91      | 43       | 8       | 114.00 |
| 17459 | 8.10       | 103     | 49       | 10      | 127.00 |
| 17460 | 8.20       | 103     | 49       | 10      | 127.00 |
| 17461 | 8.30       | 103     | 49       | 10      | 127.00 |
| 17462 | 8.50       | 103     | 49       | 10      | 127.00 |
| 17463 | 8.60       | 103     | 49       | 10      | 127.00 |
| 17464 | 8.80       | 103     | 49       | 10      | 127.00 |
| 17465 | 9.00       | 103     | 49       | 10      | 127.00 |
| 17466 | 9.20       | 103     | 49       | 10      | 145.90 |
| 17467 | 9.40       | 103     | 49       | 10      | 145.90 |
| 17468 | 9.50       | 103     | 49       | 10      | 145.90 |
| 17470 | 9.60       | 103     | 49       | 10      | 145.90 |
| 17471 | 9.80       | 103     | 49       | 10      | 138.70 |
| 17472 | 10.00      | 103     | 49       | 10      | 127.00 |

Conditions of sale: Discount: 5 % for 10 identical pieces  
10% for 20 identical pieces  
12% for 30 identical pieces  
15% for 50 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Machine Reamer

HSSE DIN 212

Short

Scaling: 0.01 mm  
Cylindrical shaft tolerance: h6

Right cutting. Helix at left. 7 - 8 degrees  
Range: 0.60 to 2.65 Tolerance: - 0 / + 0.003 mm  
Entrance angle: 60°  
Range: 2.66 to 3.75 Tolerance: - 0 / + 0.004 mm  
Entrance angle: 45°

*high-speed steel*

*high-speed steel + Acurea*



| Ref.  | PRICE | Ø reamer    | l <sub>total</sub> | l <sub>useful</sub> | Ø shaft | Grooves | Ref.  | PRICE |
|-------|-------|-------------|--------------------|---------------------|---------|---------|-------|-------|
| 09500 | 52.80 | 0.60 à 0.79 | 35                 | 10                  | 1.2     | 4       | 09600 | 68.60 |
|       |       | 0.80 à 0.85 | 40                 | 15                  |         |         |       |       |
| 09501 | 34.80 | 0.86 à 1.05 | 40                 | 15                  | 1.2     | 4       | 09601 | 45.20 |
| 09502 | 33.50 | 1.06 à 1.18 | 40                 | 15                  | 1.2     | 4       | 09602 | 43.60 |
| 09503 | 33.50 | 1.19 à 1.32 | 40                 | 15                  | 1.2     | 4       | 09603 | 43.60 |
| 09504 | 33.50 | 1.33 à 1.50 | 40                 | 15                  | 1.5     | 4       | 09604 | 43.60 |
| 09505 | 33.50 | 1.51 à 1.70 | 50                 | 20                  | 2.0     | 4       | 09605 | 43.60 |
| 09506 | 33.50 | 1.71 à 1.90 | 50                 | 20                  | 2.0     | 4       | 09606 | 43.60 |
| 09507 | 33.50 | 1.91 à 2.05 | 50                 | 20                  | 2.0     | 4       | 09607 | 43.60 |
| 09508 | 29.30 | 2.06 à 2.12 | 50                 | 20                  | 2.0     | 4       | 09608 | 42.50 |
| 09509 | 29.30 | 2.13 à 2.36 | 50                 | 20                  | 2.5     | 4       | 09609 | 42.50 |
| 09510 | 29.30 | 2.37 à 2.65 | 50                 | 20                  | 2.5     | 4       | 09610 | 42.50 |
| 09511 | 26.40 | 2.66 à 2.75 | 61                 | 20                  | 2.5     | 6       | 09611 | 38.30 |
| 09512 | 26.40 | 2.76 à 2.90 | 61                 | 20                  | 2.5     | 6       | 09612 | 38.30 |
| 09513 | 26.40 | 2.91 à 3.05 | 61                 | 20                  | 2.5     | 6       | 09613 | 38.30 |
| 09514 | 26.40 | 3.06 à 3.20 | 65                 | 25                  | 3.0     | 6       | 09614 | 42.20 |
| 09515 | 26.40 | 3.21 à 3.35 | 65                 | 25                  | 3.0     | 6       | 09615 | 42.20 |
| 09516 | 26.40 | 3.36 à 3.55 | 70                 | 25                  | 3.0     | 6       | 09616 | 42.20 |
| 09517 | 26.40 | 3.56 à 3.75 | 70                 | 25                  | 3.0     | 6       | 09617 | 42.20 |

Conditions of sale: Discount by quantity: 15% for 5 identical pieces  
20% for 10 identical pieces





Scaling: **0.01 mm**  
Cylindrical shaft tolerance: h6

## Machine Reamer

DIN 212

Long

Right cutting. Helix at left. 7 - 8 degrees  
Range: 0.60 to 2.65 Tolerance: - 0 / + 0.003 mm  
Entrance angle: **60°**  
Range: 2.66 to 20.05 Tolerance: - 0 / + 0.004 mm  
Entrance angle: **45°**

*high-speed steel*

*high-speed steel + Acurea*



| Ref.  | PRICE  | Ø reamer      | l <sub>total</sub> | l <sub>useful</sub> | l <sub>shaft</sub> | Ø shaft | Grooves | Ref.  | PRICE  |
|-------|--------|---------------|--------------------|---------------------|--------------------|---------|---------|-------|--------|
| 09518 | 29.00  | 3.76 à 4.05   | 75                 | 25                  | 32                 | 4.0     | 6       | 09618 | 46.40  |
| 09519 | 29.00  | 4.06 à 4.25   | 75                 | 25                  | 32                 | 4.0     | 6       | 09619 | 52.20  |
| 09520 | 30.60  | 4.26 à 4.55   | 80                 | 28                  | 32                 | 4.5     | 6       | 09620 | 55.10  |
| 09521 | 30.60  | 4.56 à 4.75   | 80                 | 28                  | 32                 | 4.5     | 6       | 09621 | 55.10  |
| 09522 | 31.60  | 4.76 à 5.05   | 86                 | 28                  | 34                 | 5.0     | 6       | 09622 | 56.90  |
| 09523 | 31.60  | 5.06 à 5.30   | 86                 | 28                  | 34                 | 5.0     | 6       | 09623 | 56.90  |
| 09524 | 33.50  | 5.31 à 5.55   | 93                 | 32                  | 36                 | 5.5     | 6       | 09624 | 60.30  |
| 09525 | 33.50  | 5.56 à 6.05   | 93                 | 32                  | 36                 | 5.5     | 6       | 09625 | 60.30  |
| 09526 | 34.80  | 6.06 à 6.70   | 101                | 32                  | 38                 | 6.0     | 6       | 09626 | 62.60  |
| 09527 | 36.10  | 6.71 à 7.05   | 109                | 32                  | 40                 | 7.0     | 6       | 09627 | 65.00  |
| 09528 | 36.10  | 7.06 à 7.55   | 109                | 32                  | 40                 | 7.0     | 6       | 09628 | 65.00  |
| 09529 | 37.40  | 7.56 à 8.05   | 117                | 33                  | 42                 | 8.0     | 6       | 09629 | 67.30  |
| 09530 | 37.40  | 8.06 à 8.50   | 117                | 33                  | 42                 | 8.0     | 6       | 09630 | 67.30  |
| 09531 | 37.40  | 8.51 à 9.05   | 125                | 36                  | 42                 | 9.0     | 6       | 09631 | 67.30  |
| 09532 | 42.00  | 9.06 à 9.50   | 125                | 36                  | 42                 | 9.0     | 6       | 09632 | 75.60  |
| 09533 | 42.00  | 9.51 à 10.05  | 133                | 38                  | 44                 | 10.0    | 6       | 09633 | 75.60  |
| 09534 | 46.40  | 10.06 à 10.60 | 133                | 38                  | 44                 | 10.0    | 6       | 09634 | 83.50  |
| 09535 | 46.40  | 10.61 à 11.05 | 142                | 41                  | 44                 | 10.0    | 6       | 09635 | 83.50  |
| 09536 | 61.20  | 11.06 à 11.80 | 142                | 41                  | 44                 | 10.0    | 6       | 09636 | 110.20 |
| 09537 | 61.20  | 11.81 à 12.05 | 151                | 44                  | 44                 | 10.0    | 6       | 09637 | 110.20 |
| 09538 | 80.60  | 12.06 à 13.20 | 151                | 44                  | 44                 | 10.0    | 6       | 09638 | 145.10 |
| 09539 | 98.00  | 13.21 à 14.05 | 160                | 47                  | 50                 | 12.5    | 8       | 09639 | 176.40 |
| 09540 | 98.00  | 14.06 à 15.05 | 162                | 50                  | 50                 | 12.5    | 8       | 09640 | 176.40 |
| 09541 | 99.90  | 15.06 à 16.05 | 170                | 52                  | 50                 | 12.5    | 8       | 09641 | 179.80 |
| 09542 | 123.80 | 16.06 à 17.05 | 175                | 54                  | 52                 | 14.0    | 8       | 09642 | 222.80 |
| 09543 | 123.80 | 17.06 à 18.05 | 182                | 56                  | 52                 | 14.0    | 8       | 09643 | 222.80 |
| 09544 | 123.80 | 18.06 à 19.05 | 189                | 58                  | 58                 | 16.0    | 8       | 09644 | 260.00 |
| 09545 | 126.30 | 19.06 à 20.05 | 195                | 60                  | 58                 | 16.0    | 8       | 09645 | 265.20 |

Conditions of sale: Discount by quantity: 15% for 5 identical pieces  
20% for 10 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

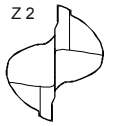
FAX : +41 32 724 3436

EMAIL : INFO@SCHURCH-ASCO.COM

WEB : WWW.SCHURCH-ASCO.COM

Recommended for high-speed manufacturing.  
Excellent results with 20 HRC to 50 HRC steel.  
Articles in red are in stock

## Milling-cutter ASCO



7242

Central cutting according to norm: DIN 6527  
Long life last.

*Hard metal*



*Hard metal + TiAlN*



| Ref.  | Price | Ø <sub>nominal</sub> | Ø <sub>shaft</sub> | l <sub>total</sub> | l <sub>useful</sub> | Grooves | Ref.  | Price |
|-------|-------|----------------------|--------------------|--------------------|---------------------|---------|-------|-------|
| 08230 | 30.60 | 0.30                 | 3                  | 38                 | 0.6                 | 2       | 08260 | 37.00 |
| 08231 | 30.60 | 0.40                 | 3                  | 38                 | 0.8                 | 2       | 08261 | 37.00 |
| 08228 | 31.80 | 0.45                 | 3                  | 38                 | 1.0                 | 2       | 08258 | 38.30 |
| 08232 | 25.30 | 0.50                 | 3                  | 38                 | 1.0                 | 2       | 08262 | 31.80 |
| 08233 | 26.60 | 0.60                 | 3                  | 38                 | 1.2                 | 2       | 08263 | 33.00 |
| 08234 | 26.60 | 0.70                 | 3                  | 38                 | 1.4                 | 2       | 08264 | 33.00 |
| 08235 | 26.60 | 0.80                 | 3                  | 38                 | 1.6                 | 2       | 08265 | 33.00 |
| 08236 | 26.60 | 0.90                 | 3                  | 38                 | 1.8                 | 2       | 08266 | 33.00 |
| 08237 | 21.40 | 1.00                 | 3                  | 38                 | 2.0                 | 2       | 08267 | 27.70 |
| 08238 | 26.60 | 1.10                 | 3                  | 38                 | 2.2                 | 2       | 08268 | 33.00 |
| 08239 | 31.80 | 1.20                 | 3                  | 38                 | 2.4                 | 2       | 08269 | 33.00 |
| 08240 | 26.60 | 1.30                 | 3                  | 38                 | 2.6                 | 2       | 08270 | 33.00 |
| 08241 | 26.60 | 1.40                 | 3                  | 38                 | 2.8                 | 2       | 08271 | 33.00 |
| 08242 | 21.40 | 1.50                 | 3                  | 38                 | 3.0                 | 2       | 08272 | 27.70 |
| 08243 | 26.60 | 1.60                 | 3                  | 38                 | 3.2                 | 2       | 08273 | 33.00 |
| 08244 | 26.60 | 1.70                 | 3                  | 38                 | 3.4                 | 2       | 08274 | 33.00 |
| 08245 | 26.60 | 1.80                 | 3                  | 38                 | 3.6                 | 2       | 08275 | 33.00 |
| 08246 | 26.60 | 1.90                 | 3                  | 38                 | 4.0                 | 2       | 08276 | 33.00 |
| 08247 | 21.40 | 2.00                 | 3                  | 38                 | 6.0                 | 2       | 08277 | 27.70 |
| 08248 | 22.90 | 2.50                 | 3                  | 38                 | 7.0                 | 2       | 08278 | 29.40 |
| 08249 | 31.80 | 3.00                 | 6                  | 57                 | 7.0                 | 2       | 08279 | 39.90 |
| 08250 | 40.20 | 3.50                 | 6                  | 57                 | 7.0                 | 2       | 08280 | 48.30 |

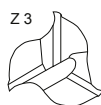
Conditions of sale: Discount by quantity:

5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



## Milling-cutter ASCO

7243



Recommended for high-speed manufacturing.  
Excellent results with 20 HRC to 50 HRC steel.  
Articles in red are in stock.

Central cutting according to norm: DIN 6527  
Long life last.

*Hard metal*

*Hard metal + TiAlN*



| Ref.  | Price | Ø <sub>nominal</sub> | Ø <sub>shaft</sub> | L <sub>total</sub> | L <sub>useful</sub> | Grooves | Ref.  | Price  |
|-------|-------|----------------------|--------------------|--------------------|---------------------|---------|-------|--------|
| 08290 | 25.30 | 1.00                 | 3.0                | 38                 | 3.0                 | 3       | 08320 | 31.80  |
| 08291 | 31.80 | 1.25                 | 3.0                | 38                 | 3.9                 | 3       | 08321 | 38.30  |
| 08292 | 25.30 | 1.50                 | 3.0                | 38                 | 4.5                 | 3       | 08322 | 31.80  |
| 08311 | 33.30 | 1.70                 | 3.0                | 38                 | 5.4                 | 3       | 08341 | 39.90  |
| 08293 | 32.80 | 1.75                 | 3.0                | 38                 | 5.4                 | 3       | 08323 | 39.20  |
| 08294 | 24.10 | 2.00                 | 3.0                | 38                 | 6.0                 | 3       | 08324 | 30.60  |
| 08295 | 24.10 | 2.50                 | 3.0                | 38                 | 7.0                 | 3       | 08325 | 30.60  |
| 08296 | 32.10 | 3.00                 | 6.0                | 57                 | 7.0                 | 3       | 08326 | 40.20  |
| 08297 | 39.60 | 3.50                 | 6.0                | 57                 | 7.0                 | 3       | 08327 | 47.60  |
| 08298 | 34.70 | 4.00                 | 6.0                | 57                 | 8.0                 | 3       | 08328 | 42.60  |
| 08299 | 41.50 | 4.50                 | 6.0                | 57                 | 8.0                 | 3       | 08329 | 52.60  |
| 08300 | 36.40 | 5.00                 | 6.0                | 57                 | 10.0                | 3       | 08330 | 44.50  |
| 08301 | 41.50 | 5.50                 | 6.0                | 57                 | 10.0                | 3       | 08331 | 52.60  |
| 08302 | 30.90 | 6.00                 | 6.0                | 57                 | 10.0                | 3       | 08332 | 38.90  |
| 08303 | 55.80 | SP 6.00              | 8.0                | 63                 | 12.0                | 3       | 08333 | 65.50  |
| 08304 | 62.90 | 7.00                 | 8.0                | 63                 | 13.0                | 3       | 08334 | 72.70  |
| 08306 | 45.00 | 8.00                 | 8.0                | 63                 | 16.0                | 3       | 08336 | 54.90  |
| 08307 | 82.80 | SP 8.00              | 10.0               | 63                 | 15.0                | 3       | 08337 | 94.10  |
| 08308 | 91.30 | 9.00                 | 10.0               | 72                 | 16.0                | 3       | 08338 | 102.90 |
| 08310 | 53.70 | 10.00                | 10.0               | 72                 | 19.0                | 3       | 08340 | 65.50  |
| 08312 | 80.35 | SP 10.00             | 10.0               | 72                 | 19.0                | 3       | 08342 | 95.85  |

**Milling-cutters diameter 6.00 mm and above are equipped with a chamfer.  
SP types are without chamfer.**

Conditions of sale: Discount by quantity:

5% for 10 identical pieces  
10% for 30 identical pieces  
15% for 50 identical pieces



**Schurch Asco SA**

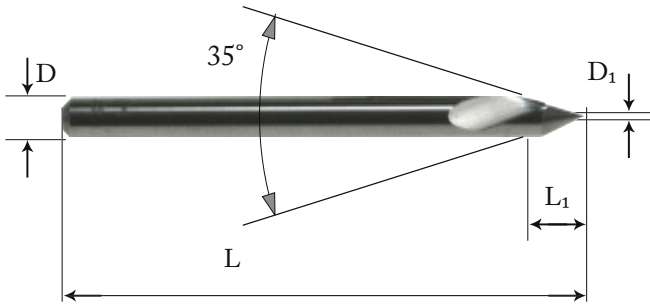


*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

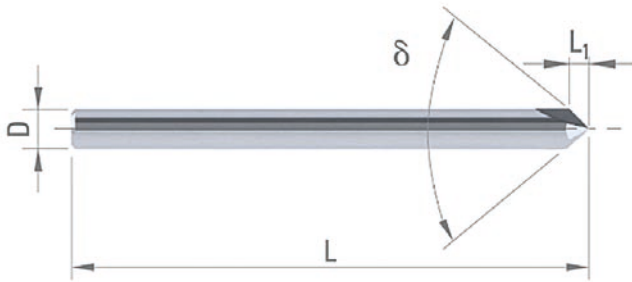
PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : INFO@SCHURCH-ASCO.COM  
WEB : WWW.SCHURCH-ASCO.COM

**HM FG 911 engraving cutter  
Helical 35°, 3/4**



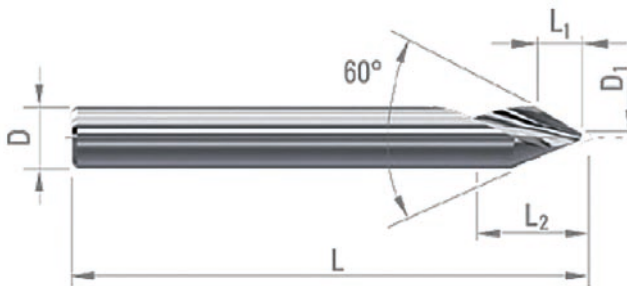
| Ref.  | D <sub>1</sub> | TOLERANCE | L <sub>1</sub> | D | L  | PRICE |
|-------|----------------|-----------|----------------|---|----|-------|
| 16166 | 0.20           | ± 0.02    | 4.4            | 3 | 38 | 35.30 |

**HM 7625 angle milling cutter  
Internal angles**



| Ref.  | L <sub>1</sub> | δ     | D <sup>h5</sup> | L  | PRICE |
|-------|----------------|-------|-----------------|----|-------|
| 16163 | 2.60           | 60 °  | 3               | 38 | 31.10 |
| 16164 | 1.50           | 90 °  |                 |    | 26.60 |
| 16165 | 0.90           | 120 ° |                 |    | 31.10 |

**HM 7025 engraving cutter  
Helical 60° Completed Execution**



| Ref.  | D <sub>1</sub> | TOLERANCE | L <sub>2</sub> | D <sup>h5</sup> | L  | L <sub>1</sub> | PRICE |
|-------|----------------|-----------|----------------|-----------------|----|----------------|-------|
| 16930 | 0.10           | ± 0.02    | 9              | 3               | 38 | 2.50           | 30.30 |
| 16931 | 0.15           | ± 0.02    | 12             | 4               | 50 | 3.30           | 33.30 |

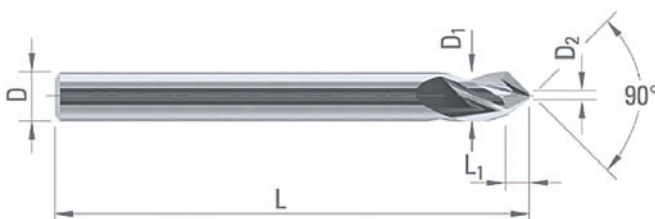
**Chamfer cutter HM 7623  
At 90° for general machining**

D1 e8

Ø < 2.00 | 0 / -0.01

Tol D2 2 ± 0.05

Ø < 3.00 | 0 / -0.02

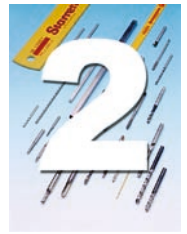


| Ref.  | D <sub>1</sub> | D <sub>2</sub> | L <sub>1</sub> | D <sup>h5</sup> | L  | PRIX  |
|-------|----------------|----------------|----------------|-----------------|----|-------|
| 16920 | 0.50           | 0.05           | 1.5            | 3               | 38 | 29.60 |
| 16921 | 0.80           | 0.08           | 1.5            | 3               | 38 | 28.40 |
| 16922 | 1.00           | 0.10           | 2.0            | 3               | 38 | 28.40 |
| 16923 | 2.00           | 0.20           | 3.0            | 3               | 38 | 29.70 |
| 16924 | 3.00           | 0.30           | 5.0            | 3               | 38 | 32.10 |

Conditions of sale : Net prices.

50 Cutting Tools

February 2024



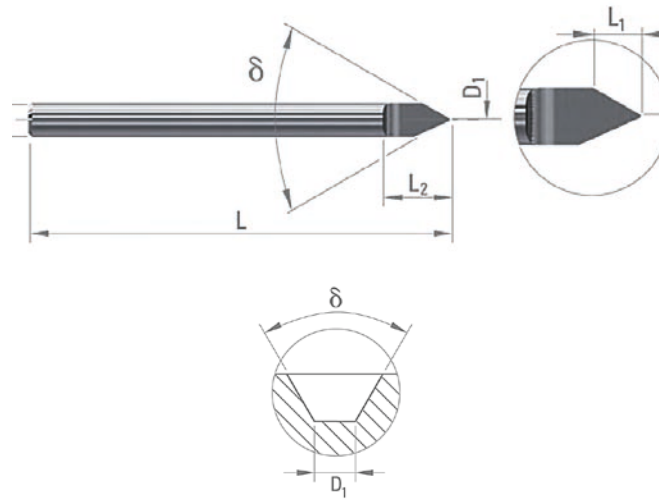
## Flat engraving milling-cutter HM 7017 1/2 Execution Completed

For bottom plate, case, dial and back cover.

### Material to be machined

○ good    ⊙ excellent

|                  |                   |                      |                               |           |
|------------------|-------------------|----------------------|-------------------------------|-----------|
| Steel + Pb       | Low alloyed steel | High alloyed steel   | DUPLEX stainless steel        | Cast iron |
| Refractory alloy | Titanium          | Cu alloy Silver Gold | Cu alloy difficult to machine | Al        |
| Graphite         | Plastic           | Gold                 | Silver                        |           |



### Untreated 60 °

### DINAC PVD treated

| Ref.  | Price | Flat <sub>front</sub> | L  | L1  | L2 | D <sup>h6</sup> | δ    | Article N° | Ref.  | PRICE |
|-------|-------|-----------------------|----|-----|----|-----------------|------|------------|-------|-------|
| 17750 | 30.40 | 0.05                  | 38 | 2.4 | 6  | 3               | 60 ° | 7017       | 17760 | 36.00 |
| 17751 | 28.40 | 0.08                  | 38 | 2.4 | 6  | 3               |      | 7017       | 17761 | 34.40 |
| 17752 | 27.40 | 0.10                  | 38 | 2.4 | 6  | 3               |      | 7017       | 17762 | 33.10 |
| 17753 | 27.40 | 0.15                  | 38 | 2.4 | 6  | 3               |      | 7017       | 17763 | 33.10 |
| 17754 | 27.40 | 0.20                  | 38 | 2.4 | 6  | 3               |      | 7017       | 17764 | 33.10 |
| 17755 | 37.70 | 0.05                  | 50 | 3.3 | 8  | 4               |      | 7017       | 17765 | 44.00 |
| 17756 | 35.00 | 0.10                  | 50 | 3.3 | 8  | 4               |      | 7017       | 17766 | 41.10 |

### Untreated 50 ° | 40 ° | 30 °

### DINAC PVD treated

| Ref.  | Price | Flat <sub>front</sub> | L  | L1 | L2 | D <sup>h6</sup> | δ    | Article N° | Ref.  | PRICE |
|-------|-------|-----------------------|----|----|----|-----------------|------|------------|-------|-------|
| 17800 | 30.40 | 0.05                  | 38 | 3  | 6  | 3               | 50 ° | 7017       | 17815 | 36.00 |
| 17801 | 27.40 | 0.08                  | 38 | 3  | 6  | 3               | 50 ° | 7017       | 17816 | 33.10 |
| 17802 | 27.40 | 0.10                  | 38 | 3  | 6  | 3               | 50 ° | 7017       | 17817 | 33.10 |
| 17803 | 27.40 | 0.15                  | 38 | 3  | 6  | 3               | 50 ° | 7017       | 17818 | 33.10 |
| 17804 | 27.40 | 0.20                  | 38 | 3  | 6  | 3               | 50 ° | 7017       | 17819 | 33.10 |
| 17805 | 30.40 | 0.05                  | 38 | 4  | 4  | 3               | 30 ° | 7017       | 17820 | 39.50 |
| 17806 | 27.40 | 0.10                  | 38 | 4  | 4  | 3               | 30 ° | 7017       | 17821 | 33.10 |
| 17807 | 27.40 | 0.15                  | 38 | 4  | 4  | 3               | 30 ° | 7017       | 17822 | 33.10 |
| 17808 | 27.40 | 0.20                  | 38 | 4  | 4  | 3               | 30 ° | 7017       | 17823 | 33.10 |
| 17809 | 52.20 | 0.20                  | 57 | 12 | 8  | 6               | 40 ° | 7017       | 17824 | -     |



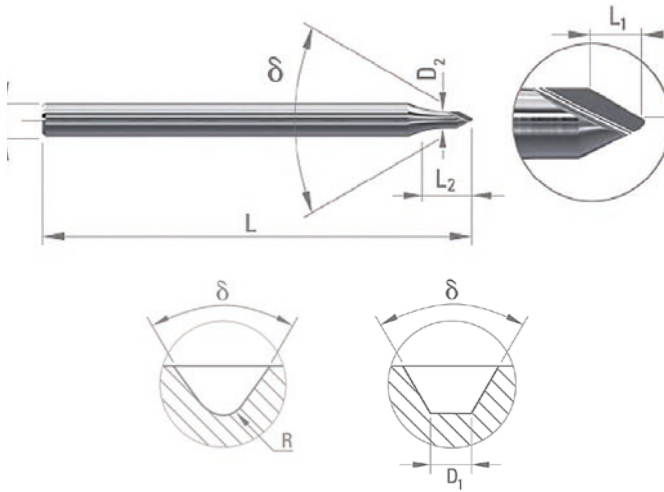
# Schurch Asco SA



Partenaire et Savoir-faire

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : INFO@SCHURCH-ASCO.COM  
WEB : WWW.SCHURCH-ASCO.COM



## Flat / Radius and engraving Milling-Cutter HM 7007 3/4 Execution Completed

For bottom plate, case, dial and back cover.

## Material to be machined

○ good    ⊙ excellent

|            |                   |                    |                        |                               |
|------------|-------------------|--------------------|------------------------|-------------------------------|
| Steel + Pb | Low alloyed steel | High alloyed steel | DUPLEX stainless steel | Cast iron 45-65 HRC           |
| Cast iron  | Refractory alloy  | Titanium           | Cu alloy Silver Gold   | Cu alloy difficult to machine |
| Al         | Graphite          | Plastic            | Gold                   | Silver                        |

## Untreated 60 ° | 50 ° | 40 ° | 35 ° | 30 °      DINAC PVD treated

| Ref.  | Price | Flat front | L  | L1   | L2   | D <sup>h6</sup> | δ    | D <sup>2</sup> | Article NO | Ref.  | PRICE |
|-------|-------|------------|----|------|------|-----------------|------|----------------|------------|-------|-------|
| 17770 | 31.80 | 0.05       | 38 | 1.10 | 2.30 | 3.0             | 60 ° | 1.50           | 7007       | 17785 | 37.50 |
| 17771 | 30.90 | 0.08       | 38 | 1.10 | 2.30 | 3.0             | 60 ° | 1.50           | 7007       | 17786 | 36.50 |
| 17772 | 30.90 | 0.10       | 38 | 1.10 | 2.30 | 3.0             | 60 ° | 1.50           | 7007       | 17787 | 36.50 |
| 17773 | 30.90 | 0.15       | 38 | 1.10 | 2.30 | 3.0             | 60 ° | 1.50           | 7007       | 17788 | 36.50 |
| 17774 | 31.80 | 0.05       | 38 | 1.40 | 2.30 | 3.0             | 50 ° | 1.50           | 7007       | 17789 | 37.50 |
| 17775 | 30.90 | 0.08       | 38 | 1.40 | 2.30 | 3.0             | 50 ° | 1.50           | 7007       | 17790 | 36.50 |
| 17776 | 30.90 | 0.10       | 38 | 1.40 | 2.30 | 3.0             | 50 ° | 1.50           | 7007       | 17791 | 36.50 |
| 17777 | 30.90 | 0.15       | 38 | 1.40 | 2.30 | 3.0             | 50 ° | 1.50           | 7007       | 17792 | 36.50 |
| 17778 | 31.80 | 0.05       | 38 | 1.70 | 3.20 | 3.0             | 40 ° | 1.50           | 7007       | 17793 | 37.50 |
| 17779 | 30.90 | 0.08       | 38 | 1.70 | 3.20 | 3.0             | 40 ° | 1.50           | 7007       | 17794 | 36.50 |
| 17830 | 30.90 | 0.10       | 38 | 1.70 | 3.20 | 3.0             | 40 ° | 1.50           | 7007       | 17845 | 36.50 |
| 17831 | 30.90 | 0.15       | 38 | 1.70 | 3.20 | 3.0             | 40 ° | 1.50           | 7007       | 17846 | 36.50 |
| 17832 | 30.90 | 0.20       | 38 | 1.70 | 3.20 | 3.0             | 40 ° | 1.50           | 7007       | 17847 | 36.50 |
| 17833 | 31.80 | 0.05       | 38 | 2.00 | 3.40 | 3.0             | 35 ° | 1.50           | 7007       | 17848 | 37.50 |
| 17834 | 30.90 | 0.08       | 38 | 2.00 | 3.40 | 3.0             | 35 ° | 1.50           | 7007       | 17849 | 36.50 |
| 17835 | 30.90 | 0.10       | 38 | 2.00 | 3.40 | 3.0             | 35 ° | 1.50           | 7007       | 17850 | 36.50 |
| 17836 | 31.80 | 0.05       | 38 | 2.50 | 3.40 | 3.0             | 30 ° | 1.50           | 7007       | 17851 | 37.50 |
| 17837 | 30.90 | 0.08       | 38 | 2.50 | 3.40 | 3.0             | 30 ° | 1.50           | 7007       | 17852 | 36.50 |
| 17838 | 30.90 | 0.10       | 38 | 2.50 | 3.40 | 3.0             | 30 ° | 1.50           | 7007       | 17853 | 36.50 |
| 17839 | 30.90 | 0.15       | 38 | 2.50 | 3.40 | 3.0             | 30 ° | 1.50           | 7007       | 17854 | 36.50 |

## Untreated 35 °      DINAC PVD treated

| Ref.  | Price | Radius front | L  | L1   | L2  | D <sup>h6</sup> | δ    | D <sup>2</sup> | Article NO | Ref.  | PRICE |
|-------|-------|--------------|----|------|-----|-----------------|------|----------------|------------|-------|-------|
| 17840 | 38.30 | 0.05         | 38 | 1.90 | 3.4 | 3.0             | 35 ° | 1.50           | 7007       | 17855 | 44.00 |
| 17841 | 35.30 | 0.10         | 38 | 1.90 | 3.4 | 3.0             | 35 ° | 1.50           | 7007       | 17856 | 40.20 |
| 17842 | 35.30 | 0.15         | 38 | 1.90 | 3.4 | 3.0             | 35 ° | 1.50           | 7007       | 17857 | 40.20 |
| 17843 | 35.30 | 0.20         | 38 | 1.90 | 3.4 | 3.0             | 35 ° | 1.50           | 7007       | 17858 | 40.20 |

Conditions of sale: Net price.



## Machine Hacksaws

STARRETT



HARDENED HIGH-SPEED STEEL

| Ref   | Type    | Dimension       | Teeth / 25 mm | Designation | Price |
|-------|---------|-----------------|---------------|-------------|-------|
| 02216 | by hand | 300 x 13 x 0.65 | 24            | BS 1224     | 2.20  |
| 02200 | machine | 300 x 25 x 2.50 | 10            | RS 1210-5   | 15.00 |
| 02201 | machine | 300 x 25 x 2.50 | 14            | RS 1214-5   | 15.00 |
| 02202 | machine | 350 x 25 x 2.50 | 10            | RS 1410-5   | 17.50 |
| 02203 | machine | 350 x 32 x 1.60 | 6             | RS 1406-6   | 23.50 |
| 02204 | machine | 350 x 32 x 1.60 | 10            | RS 1410-6   | 23.50 |
| 02205 | machine | 400 x 32 x 2.50 | 6             | RS 1606-6   | 34.40 |
| 02206 | machine | 400 x 32 x 2.50 | 10            | RS 1610-6   | 26.90 |
| 02207 | machine | 425 x 32 x 1.60 | 6             | RS 1706-6   | 28.50 |
| 02208 | machine | 425 x 32 x 1.60 | 10            | RS 1710-6   | 28.50 |
| 02209 | machine | 450 x 32 x 1.60 | 6             | RS 1806-6   | 30.20 |
| 02210 | machine | 450 x 38 x 2.00 | 4             | RS 1804-7   | 32.90 |
| 02211 | machine | 450 x 38 x 2.00 | 6             | RS 1806-7   | 26.15 |
| 02212 | machine | 450 x 45 x 2.25 | 4             | RS 1804-8   | 35.70 |
| 02213 | machine | 450 x 45 x 2.20 | 6             | RS 1806-8   | 35.70 |
| 02214 | machine | 500 x 48 x 2.50 | 4             | RS 1904-0   | 45.90 |
| 02215 | machine | 525 x 45 x 2.30 | 6             | RS 2106-8   | 39.30 |

Conditions of sale : Discount of 15% on the mentioned prices

## Machine Hacksaws

FEARLESS

HARDENED HIGH-SPEED STEEL



| Ref   | Type    | Dimension       | Teeth / 25 mm | Price | Price / 10 pieces |
|-------|---------|-----------------|---------------|-------|-------------------|
| 02220 | machine | 300 x 32 x 1.60 | 6             | 13.50 | 121.00            |
| 02221 | machine | 350 x 38 x 1.90 | 4             | 13.50 | 121.00            |
| 02222 | machine | 350 x 38 x 1.90 | 6             | 13.50 | 121.00            |
| 02223 | machine | 425 x 32 x 1.60 | 4             | 16.50 | 148.00            |
| 02219 | by hand | 300 x 13 x 0.65 | Progressive   | 2.60  | 26.00             |
| 02224 | machine | 450 x 32 x 1.60 | 10            | 17.50 | 155.00            |
| 02225 | machine | 450 x 45 x 1.40 | 4             | 28.00 | 253.00            |
| 02226 | machine | 450 x 45 x 2.20 | 6             | 28.00 | 253.00            |
| 02227 | machine | 530 x 38 x 1.90 | 6             | 36.00 | 325.00            |

Conditions of sale: Discount of 15% on the mentioned prices



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

**ASCO Bar**  
**HSS-ES**  
*Hardened and ground*



### G20 SQUARE SECTION ISO 5421 / 77 Tolerance h13

| Ref.  | Dimension | Price |
|-------|-----------|-------|
| 00821 | 5 x 150   | 71.50 |
| 00823 | 7 x 200   | 25.20 |
| 00824 | 8 x 200   | 35.00 |
| 00825 | 10 x 200  | 38.30 |
| 00826 | 12 x 200  | 42.00 |



### G20 RECTANGULAR SECTION ISO 541 / 77 Tolerance h13

| Ref.  | Dimension    | Price |
|-------|--------------|-------|
| 00827 | 4 x 2 x 60   | 13.00 |
| 00828 | 4 x 2.2 x 60 | 13.00 |



### HSS-E-PM ROUND SECTION Tolerance h7

| Réf.  | Dimension | Prix |
|-------|-----------|------|
| 00829 | 0.90 x 35 | 2.00 |
| 00830 | 1.00 x 35 | 2.00 |
| 00831 | 1.10 x 35 | 2.00 |
| 00832 | 1.20 x 35 | 2.00 |
| 00833 | 1.30 x 35 | 2.00 |
| 00834 | 1.40 x 35 | 2.00 |
| 00835 | 1.50 x 35 | 2.00 |

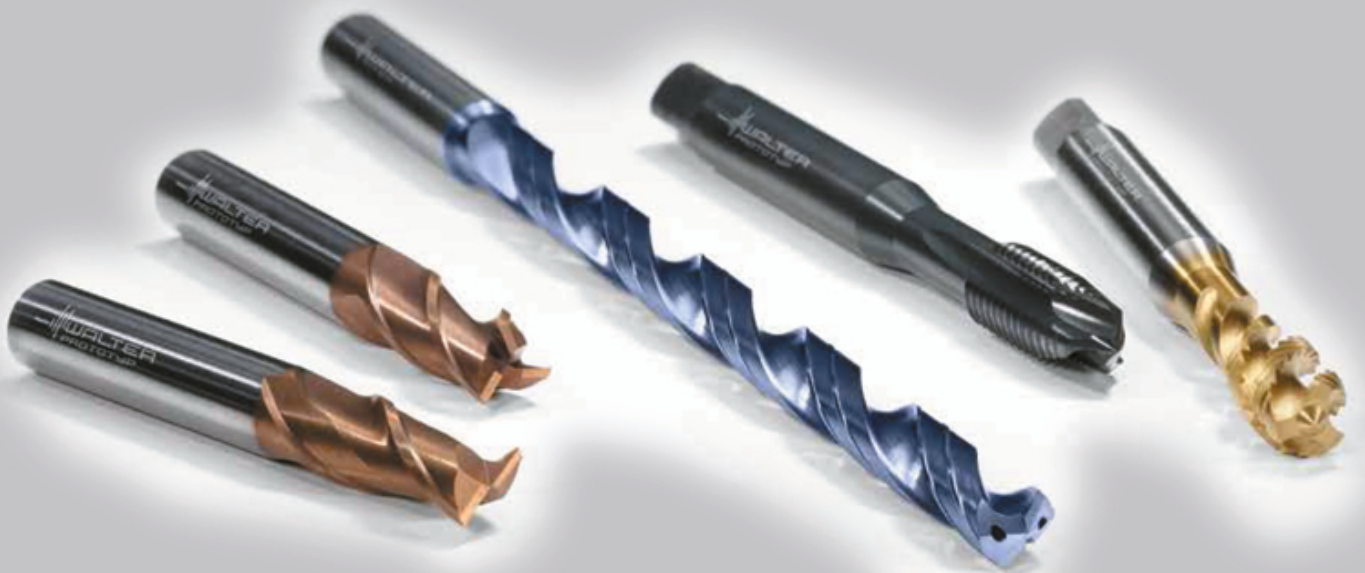
Conditions of sale: Discount of 10 % per minimum order of 100 pieces only for the round bars.



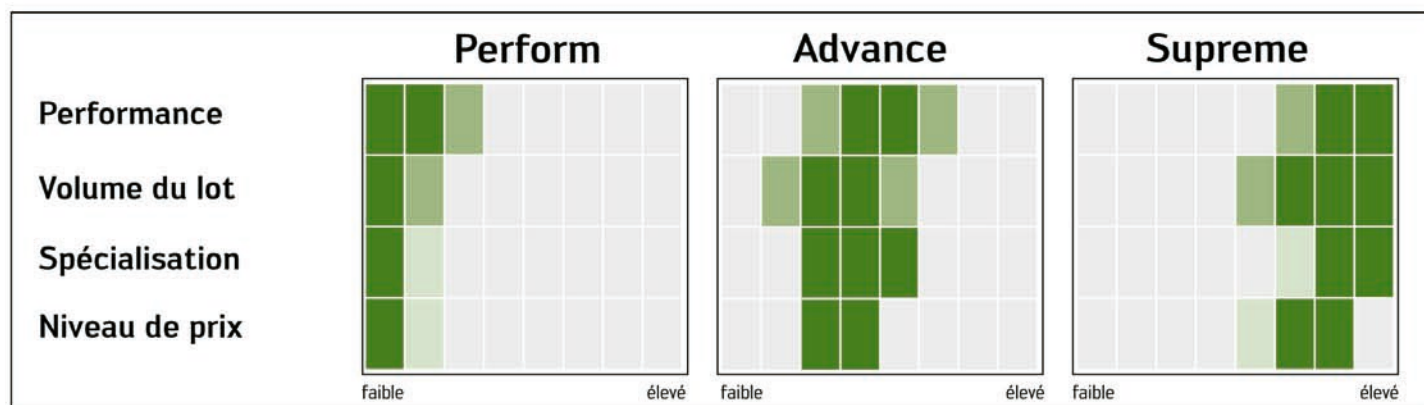
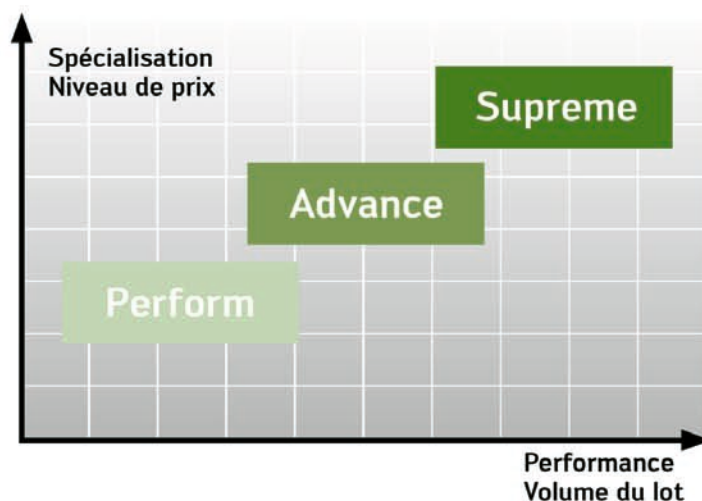
COMPÉTENCE PRODUIT  
Percage, Taraudage, Fraisage

\_COMPÉTENCE EN MATIÈRE D'USINAGE

# Walter Gamme Perform - la nouvelle référence pour les petites et moyennes séries



Tous les outils de Walter se distinguent par une précision maximale et une grande fiabilité des process. En trouvant pour chaque besoin une gamme parfaitement adaptée, vous bénéficiez d'une véritable valeur ajoutée. Walter apporte la réponse adaptée à votre demande avec ses trois lignes de produits dans le segment premium.



### Supreme

Dans la gamme Supreme, vous trouverez des outils dotés de caractéristiques techniques très élevées. Quand des vitesses de coupe élevées et de longues durées de vie sont exigées pour des volumes de lot importants, il s'agit toujours d'un premier choix. Les outils Supreme sont conçus pour l'usinage de groupes de matériaux très spécifiques et dépassent souvent de loin les outils de catégories comparables.

### Advance

Vous recherchez l'équilibre parfait entre une production aussi rentable que possible et des durées de vie élevées ? Les outils de la gamme Advance révèlent leurs points forts dans la production de moyennes séries. Investissement économique, excellentes caractéristiques et large éventail représentent quelques-uns des aspects décisifs de cette gamme.

### PERFORM

Outre leur rentabilité élevée, les outils de la gamme Perform offrent de multiples possibilités d'application. Ils sont parfaitement adaptés aux matériaux les plus divers, pour les petites et moyennes séries.

Pour les utilisateurs travaillant sur des séries petites à moyennes, l'important est souvent moins le rendement que la souplesse d'utilisation et la rentabilité des outils. La gamme Walter Perform vous offre des solutions sur mesure : utilisables avec des matériaux très divers – et conçues pour obtenir des résultats de haute qualité pour un coût abordable.

**PERCER AVEC LE FORET DC150 PERFORM –  
DANS UNE MAÎTRISE TOTALE, AVEC UNE FIABILITÉ  
DU PROCESS DE 100 %**

Les utilisateurs qui travaillent sur plusieurs matériaux et avec des conditions changeantes font face à des défis très spécifiques et ont donc besoin d'outils utilisables de manière flexible. Les nouveaux forets carbure monobloc DC150 de la gamme Perform sont parfaitement adaptés pour : une utilisation universelle, dans une qualité Walter éprouvée, à un prix compétitif.



**TARAUDER AVEC LES TARAUDS TC115/TC216 PERFORM –  
POUR UNE RENTABILITÉ SUR MESURE**

Pour que les opérations de taraudage soient rentables, il est indispensable que les process soient fiables et que les outils soient pour une utilisation universelle. En effet, les conditions d'usinage peuvent fortement varier selon la matière et la pièce. Grâce à leurs géométries et leurs revêtements sur mesure, les TC115 et TC216 répondent à ce défi.












**FRAISER AVEC LES FRAISES MC232 PERFORM –  
UTILISATION UNIVERSELLE DANS ISO P, M ET K**

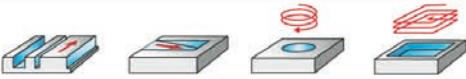



Adaptation à de nombreux types de fraisage, grandes durée de vie, résistance à l'usure, spectre d'applications étendu, grande plage de diamètres : la MC232 Perform, c'est l'assurance d'un fraisage économique des petites et moyennes séries.

















## DC150 Perform

|                         |  |   |   |   |  |   |   |   |
|-------------------------|--|---|---|---|--|---|---|---|
| Usinage                 |  |   |   |   |  |   |   |   |
| Profondeur de perçage   | 3 x D <sub>c</sub>   |   |   |   | 5 x D <sub>c</sub>   |   | 8 x D <sub>c</sub>  | 12 x D <sub>c</sub>   |
| Désignation             | DC150 Perform  |   |   |   |  |   |   |   |
| Dimension               | DIN 6537 court   |   |   |   | DIN 6537 long  |   | Norme Walter  |   |
| Type                    | WJ30RE   |   |   |   |  |   | WJ30TA  |   |
| queue                   | HA   | HE  | HA  | HE  | HA   | HE  | HA  | HA  |
| Refroidissement         | Lubrification externe  |   |   | Refroidissement interne   |  |   |   |   |
| Plage de Ø (mm)         | 3,00–20,00   |   |   |   |  |   |   |   |
| Informations techniques | Page 6   |   |   |   |  |   |   |   |
| Paramètres de coupe     | Pages 38-40  |   |   |   |  |   |   |   |
| Reconditionnement       | Page 9   |   |   |   |  |   |   |   |
| Pages de commande       | 10   | 12  | 14  | 16  | 18   | 21  | 24  | 27  |
|                         |   |  |  |  |  |  |  |  |

## MC232 Perform

|                         |   |   |   |
|-------------------------|---|---|---|
| Usinage                 |  |   |   |
| Angle d'hélice          | 35°   |   |   |
| Désignation             | MC232 Perform   |   |   |
| Plage de Ø (mm)         | 2–20  |   |   |
| Z                       | 2   | 3   | 4   |
| Rayon d'angle           | 0   |   |   |
| Norme                   | DIN 6527 L  |   |   |
| queue                   | DIN 6535 HA/DIN 6535 HB   |   |   |
| Informations techniques | Page 8  |   |   |
| Paramètres de coupe     | Pages 42–43   |   |   |
| Reconditionnement       | Page 9  |   |   |
| Pages de commande       | 36  | 36  | 37  |
|                         |  |  |  |

# TC115 / TC216 Perform

| Usinage                 |  |   |   |   |   |   |  |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
|                         | M   |   | MF  |   | UNC   |   | M   |   | MF  |   | UNC   |   |
| Type de filet           | M   |   |   |   |   |   | M   |   |   |   |   |   |
| Désignation             | TC115 Perform   |   |   |   |   |   | TC216 Perform   |   |   |   |   |   |
| Profondeur de filetage  | 3 x D <sub>N</sub>  |   |   |   |   |   | 3,5 x D <sub>N</sub>  |   |   |   |   |   |
| Refroidissement         | Lubrification externe   |   |   |   |   |   | Lubrification externe   |   |   |   |   |   |
| Forme d'entrée          | C   |   |   |   |   |   | B   |   |   |   |   |   |
| Angle d'hélice          | 45°   |   |   |   |   |   | 0°  |   |   |   |   |   |
| Tolérance               | 6H  |   |   | 2B  |   |   | 6H  |   |   | 2B  |   |   |
| Norme                   | DIN371/DIN376   |   |   |   | DIN/ANSI  |   | DIN371/DIN376   |   |   |   | DIN/ANSI  |   |
| Dimensions              | M3-M20  |   | M8 x 1-M18 x 1  |   | UNC6-UNC3/4   |   | M3-M20  |   | M8 x 1-M18 x 1  |   | UNC6-UNC3/4   |   |
| Type                    | WY80AA  | WY80FC  | WY80AA  | WY80FC  | WY80AA  | WY80FC  | WY80AA  | WY80FC  | WY80AA  | WY80FC  | WY80AA  | WY80FC  |
| Informations techniques | Page 7  |   |   |   |   |   | Page 7  |   |   |   |   |   |
| Paramètres de coupe     | Page 41   |   |   |   |   |   | Page 41   |   |   |   |   |   |
| Pages de commande       | 31  | 31  | 33  | 33  | 35  | 35  | 30  | 30  | 32  | 32  | 34  | 34  |
|                         |  |  |  |  |  |  |    |  |  |  |  |  |

## L'APPLICATION

- Groupes de matières ISO P, M, K, N, S, H, O
- Utilisable avec huile et émulsion
- Secteurs d'application : Construction mécanique générale, fabrication d'outils et de moules, industrie automobile et énergétique

## L'OUTIL

- Foret hélicoïdal en carbure monobloc
- Nuances : WJ30RE et WJ30TA ; K30F-TiAIN
- Angle de pointe 140°
- Plage de diamètre de 3 à 20 mm

## LES COTES

- Nuances WJ30RE, K30F, TiAIN :
  - DIN 6537 court 3 x D<sub>c</sub> avec et sans refroidissement interne
  - DIN 6537 long 5 x D<sub>c</sub> avec refroidissement interne
  - Queue selon DIN 6535 HA et HE
- Nuance : WJ30TA, K30F, TiAIN :
  - Norme Walter 8 x D<sub>c</sub> avec refroidissement interne
  - Norme Walter 12 x D<sub>c</sub> avec refroidissement interne
  - Queue selon DIN 6535 HA



Walter Titex DC150 Perform

## L'APPLICATION

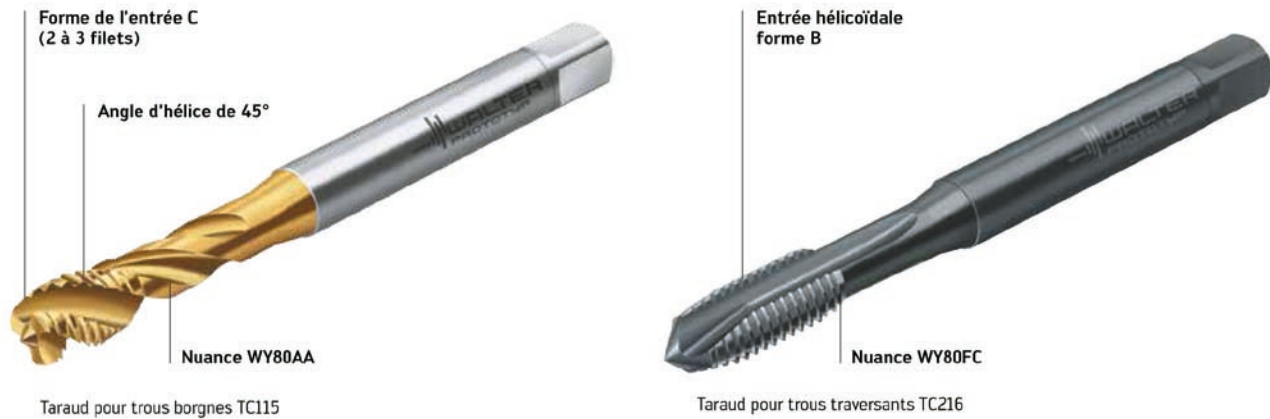
- Trous borgnes et débouchants
- Plages de dimensions :
  - M3–M20
  - MF : M8 x 1–M18 x 1,5
  - UNC : UNC6–UNC $\frac{3}{4}$  (DIN/ANSI)\*
- Application principale :
  - ISO P : 300–1000 N/mm<sup>2</sup>
  - ISO M : < 800 N/mm<sup>2</sup>
  - ISO K : GJS (GGG)
  - ISO N : Alliage d'aluminium corroyé, AISi < 4 % silicium\*\*

\* Longueur totale  $\hat{=}$  DIN  
Diamètre de la queue  $\hat{=}$  ANSI

\*\* En cas d'application secondaire de TC115

## L'OUTIL

- Taraud pour machines HSS-E
- TC115 : pour trous borgnes jusqu'à 3 x D<sub>N</sub>
- TC216 : pour trous borgnes jusqu'à 3,5 x D<sub>N</sub>
- Tolérances ISO 2/6H
- 2 versions : revêtement en TIN ou vaporisation



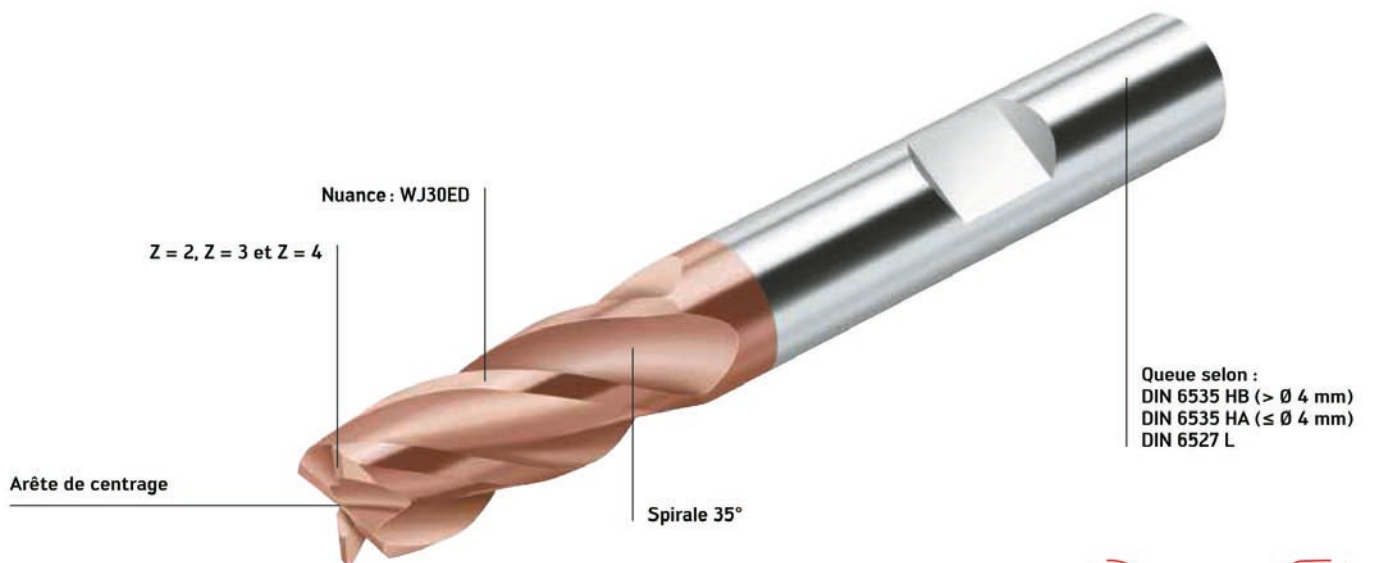
Walter Prototyp TC115 / TC216 Perform

## L'APPLICATION

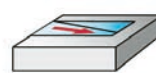
- Groupes de matières ISO P, M, K
- Dressage, rainurage en pleine matière, fraisage de poches, plongée par interpolation hélicoïdale, plongée en rampe.
- Secteurs d'application : construction mécanique générale, fabrication d'outils et de moules, industrie automobile et énergétique.

## LES OUTILS

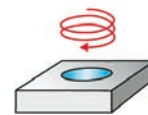
- Fraises en carbure monobloc de la gamme Perform
- 3 types de fraises, 36 dimensions
- 2, 4 ou 3 arêtes de coupe
- Plage de diamètres de 2 à 20 mm



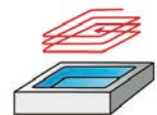
Dressage-rainurage



Ramping



Fraisage hélicoïdal



Fraisage de poches

# Outils de perçage en HSS

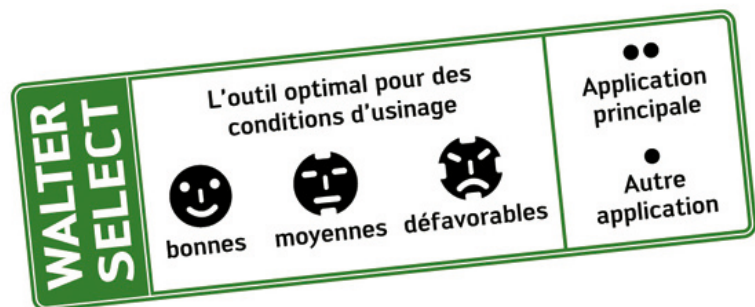
Etape par étape vers l'outil adéquat

## ETAPE 1

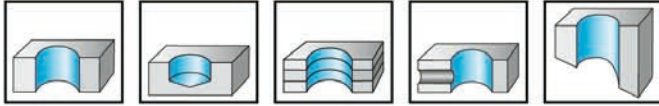
Déterminez la **matière à usiner**.

Notez le **groupe d'usinage** correspondant à votre matériau, p. ex. : K5.

| Lettres d'identification | Groupes d'usinage | Groupes des matériaux à usiner                |  |
|--------------------------|-------------------|---|--|
| <b>P</b>                 | P1–P15            | Acier   | Tous les types d'acier, d'acier moulé, sauf acier inoxydable à structure austénitique              |
| <b>M</b>                 | M1–M3             | Acier inoxydable                              | Acier inoxydable austénitique, acier austénitique-ferritique et acier moulé                        |
| <b>K</b>                 | K1–K7             | Fonte   | Fonte grise, fonte nodulaire, fonte malléable, fonte à graphite vermiculaire                       |
| <b>N</b>                 | N1–N10            | Métaux non ferreux                            | Aluminium et autres métaux non ferreux, matériaux non ferreux                                      |
| <b>S</b>                 | S1–S10            | Matériaux réfractaires et difficiles à usiner | Alliages spéciaux réfractaires à base de fer, de nickel et de cobalt, titane et alliages de titane |
| <b>H</b>                 | H1–H4             | Matériaux durs                                | Acier trempé, matériaux en fonte moulée trempée, fonte en coquille                                 |
| <b>O</b>                 | O1–O6             | Autres  | Matières plastiques, matières plastiques renforcées de fibres de verre et de carbone, graphite     |



# Foret hélicoïdal en carbure monobloc DC150 Perform



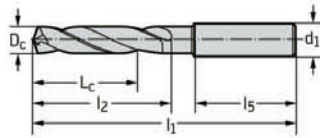
|        |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|
|        | P | M | K | N | S | H | O |
| WJ30RE | ● | ● | ● | ● | ● | ● | ● |

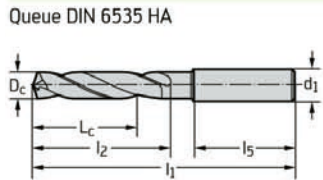
| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| Queue DIN 6535 HA  |                            |                            |                      |                      |                      |                      |                            |        |
| DC150-03-03.000A0- | 3                          |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.100A0- | 3,1                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.175A0- | 3,175                      | 1/8"                       | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.200A0- | 3,2                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.250A0- | 3,25                       |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.300A0- | 3,3                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.400A0- | 3,4                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.500A0- | 3,5                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.572A0- | 3,572                      | 9/64"                      | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.600A0- | 3,6                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.700A0- | 3,7                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.800A0- | 3,8                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-03.900A0- | 3,9                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-03.969A0- | 3,969                      | 5/32"                      | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.000A0- | 4                          |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.100A0- | 4,1                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.200A0- | 4,2                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.300A0- | 4,3                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.366A0- | 4,366                      | 11/64"                     | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.400A0- | 4,4                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.500A0- | 4,5                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.600A0- | 4,6                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.650A0- | 4,65                       |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.700A0- | 4,7                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.763A0- | 4,763                      | 3/16"                      | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-04.800A0- | 4,8                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-04.900A0- | 4,9                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.000A0- | 5                          |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.100A0- | 5,1                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.159A0- | 5,159                      | 13/64"                     | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.200A0- | 5,2                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.300A0- | 5,3                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.400A0- | 5,4                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.500A0- | 5,5                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.550A0- | 5,55                       |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.556A0- | 5,556                      | 7/32"                      | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.600A0- | 5,6                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.700A0- | 5,7                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.800A0- | 5,8                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.900A0- | 5,9                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.953A0- | 5,953                      | 15/64"                     | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-06.000A0- | 6                          |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-06.100A0- | 6,1                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.200A0- | 6,2                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.300A0- | 6,3                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.350A0- | 6,35                       | 1/4"                       | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.400A0- | 6,4                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.500A0- | 6,5                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.600A0- | 6,6                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.700A0- | 6,7                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.747A0- | 6,747                      | 17/64"                     | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |

Exemple de commande pour la nuance WJ30RE : DC150-03-03.000A0-WJ30RE



| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| Queue DIN 6535 HA  |                            |                            |                      |                      |                      |                      |                            |        |
| DC150-03-06.800A0- | 6,8                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.900A0- | 6,9                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.000A0- | 7                          |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.100A0- | 7,1                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.144A0- | 7,144                      | 9/32"                      | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.200A0- | 7,2                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.300A0- | 7,3                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.400A0- | 7,4                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.500A0- | 7,5                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.541A0- | 7,541                      | 19/64"                     | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.600A0- | 7,6                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.700A0- | 7,7                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.800A0- | 7,8                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.900A0- | 7,9                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.938A0- | 7,938                      | 5/16"                      | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.000A0- | 8                          |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.100A0- | 8,1                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.200A0- | 8,2                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.300A0- | 8,3                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.334A0- | 8,334                      | 21/64"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.400A0- | 8,4                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.500A0- | 8,5                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.600A0- | 8,6                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.700A0- | 8,7                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.731A0- | 8,731                      | 11/32"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.800A0- | 8,8                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.900A0- | 8,9                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.000A0- | 9                          |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.100A0- | 9,1                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.200A0- | 9,2                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.300A0- | 9,3                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.400A0- | 9,4                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.500A0- | 9,5                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.525A0- | 9,525                      | 3/8"                       | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.600A0- | 9,6                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.700A0- | 9,7                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.800A0- | 9,8                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.900A0- | 9,9                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.922A0- | 9,922                      | 25/64"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.000A0- | 10                         |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.100A0- | 10,1                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.200A0- | 10,2                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.300A0- | 10,3                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.319A0- | 10,319                     | 13/32"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.400A0- | 10,4                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.500A0- | 10,5                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.600A0- | 10,6                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.716A0- | 10,716                     | 27/64"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.800A0- | 10,8                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.000A0- | 11                         |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.100A0- | 11,1                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.113A0- | 11,113                     | 7/16"                      | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.200A0- | 11,2                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.300A0- | 11,3                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.400A0- | 11,4                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.500A0- | 11,5                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.509A0- | 11,509                     | 29/64"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.700A0- | 11,7                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.800A0- | 11,8                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.900A0- | 11,9                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-12.000A0- | 12                         |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |





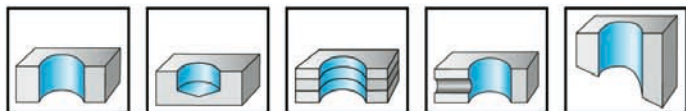
| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-12.100A0- | 12,1                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.200A0- | 12,2                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.250A0- | 12,25                      |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.300A0- | 12,3                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.303A0- | 12,303                     | 31/64"                     | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.500A0- | 12,5                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.700A0- | 12,7                       | 1/2"                       | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.800A0- | 12,8                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.000A0- | 13                         |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.100A0- | 13,1                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.300A0- | 13,3                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.494A0- | 13,494                     | 17/32"                     | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.500A0- | 13,5                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-14.000A0- | 14                         |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-14.200A0- | 14,2                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-14.288A0- | 14,288                     | 9/16"                      | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-14.500A0- | 14,5                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-14.700A0- | 14,7                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-14.800A0- | 14,8                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.000A0- | 15                         |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.100A0- | 15,1                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.500A0- | 15,5                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.800A0- | 15,8                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.875A0- | 15,875                     | 5/8"                       | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.000A0- | 16                         |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.500A0- | 16,5                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-16.750A0- | 16,75                      |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.000A0- | 17                         |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.500A0- | 17,5                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.800A0- | 17,8                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-18.000A0- | 18                         |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-19.000A0- | 19                         |                            | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-20.000A0- | 20                         |                            | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-03.000D0- | 3                          |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.100D0- | 3,1                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.200D0- | 3,2                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.300D0- | 3,3                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.400D0- | 3,4                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.500D0- | 3,5                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.600D0- | 3,6                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.700D0- | 3,7                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ☺      |
| DC150-03-03.800D0- | 3,8                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-03.900D0- | 3,9                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.000D0- | 4                          |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.200D0- | 4,2                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.300D0- | 4,3                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.500D0- | 4,5                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.650D0- | 4,65                       |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.700D0- | 4,7                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ☺      |
| DC150-03-04.800D0- | 4,8                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.000D0- | 5                          |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.100D0- | 5,1                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.300D0- | 5,3                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.500D0- | 5,5                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.550D0- | 5,55                       |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.600D0- | 5,6                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-05.800D0- | 5,8                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.000D0- | 6                          |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ☺      |
| DC150-03-06.100D0- | 6,1                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.200D0- | 6,2                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.300D0- | 6,3                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.500D0- | 6,5                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.600D0- | 6,6                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |

Exemple de commande pour la nuance WJ30RE : DC150-03-03.000A0-WJ30RE

| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-06.700D0- | 6,7                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.800D0- | 6,8                        |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.000D0- | 7                          |                           | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.100D0- | 7,1                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.400D0- | 7,4                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.500D0- | 7,5                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.600D0- | 7,6                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.800D0- | 7,8                        |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.000D0- | 8                          |                           | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.100D0- | 8,1                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.200D0- | 8,2                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.300D0- | 8,3                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.400D0- | 8,4                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.500D0- | 8,5                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.600D0- | 8,6                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.700D0- | 8,7                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.800D0- | 8,8                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.000D0- | 9                          |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.100D0- | 9,1                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.500D0- | 9,5                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.700D0- | 9,5                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.800D0- | 9,8                        |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.000D0- | 10                         |                           | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.100D0- | 10,1                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.200D0- | 10,2                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.300D0- | 10,3                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.400D0- | 10,4                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.500D0- | 10,5                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.600D0- | 10,6                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.800D0- | 10,8                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.900D0- | 10,9                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.000D0- | 11                         |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.100D0- | 11,1                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.200D0- | 11,2                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.300D0- | 11,3                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.500D0- | 11,5                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.600D0- | 11,6                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-11.800D0- | 11,8                       |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-12.000D0- | 12                         |                           | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-12.200D0- | 12,2                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.300D0- | 12,3                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-12.500D0- | 12,5                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.000D0- | 13                         |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.200D0- | 13,2                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.300D0- | 13,3                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.400D0- | 13,4                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.500D0- | 13,5                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.600D0- | 13,6                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-13.800D0- | 13,8                       |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-14.000D0- | 14                         |                           | 43                   | 107                  | 60                   | 45                   | 14                         | ☺      |
| DC150-03-14.500D0- | 14,5                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.000D0- | 15                         |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-15.100D0- | 15,1                       |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.000D0- | 16                         |                           | 45                   | 115                  | 65                   | 48                   | 16                         | ☺      |
| DC150-03-16.500D0- | 16,5                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.000D0- | 17                         |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-17.500D0- | 17,5                       |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-18.000D0- | 18                         |                           | 51                   | 123                  | 73                   | 48                   | 18                         | ☺      |
| DC150-03-18.500D0- | 18,5                       |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-19.000D0- | 19                         |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |
| DC150-03-20.000D0- | 20                         |                           | 55                   | 131                  | 79                   | 50                   | 20                         | ☺      |

Exemple de commande pour la nuance WJ30RE : DC150-03-03.000A0-WJ30RE

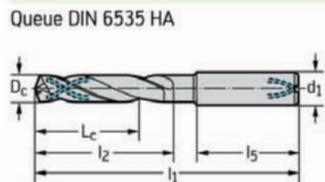
# Foret en carbure monobloc avec lubrification centrale de refroidissement DC150



|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | M | K | N | S | H | O |
| ● | ● | ● | ● | ● | ● | ● |

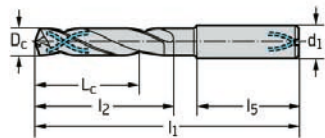
WJ30RE

| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| Queue DIN 6535 HA  |                            |                            |                      |                      |                      |                      |                            |        |
| DC150-03-03.000A1- | 3                          |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.100A1- | 3,1                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.175A1- | 3,175                      | 1/8"                       | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.200A1- | 3,2                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.250A1- | 3,25                       |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.300A1- | 3,3                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.400A1- | 3,4                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.500A1- | 3,5                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.572A1- | 3,572                      | 9/64"                      | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.600A1- | 3,6                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.650A1- | 3,65                       |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.700A1- | 3,7                        |                            | 14                   | 62                   | 20                   | 36                   | 6                          | ●      |
| DC150-03-03.800A1- | 3,8                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-03.900A1- | 3,9                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-03.969A1- | 3,969                      | 5/32"                      | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.000A1- | 4                          |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.100A1- | 4,1                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.200A1- | 4,2                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.300A1- | 4,3                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.366A1- | 4,366                      | 11/64"                     | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.400A1- | 4,4                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.500A1- | 4,5                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.600A1- | 4,6                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.650A1- | 4,65                       |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.700A1- | 4,7                        |                            | 17                   | 66                   | 24                   | 36                   | 6                          | ●      |
| DC150-03-04.763A1- | 4,763                      | 3/16"                      | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-04.800A1- | 4,8                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-04.900A1- | 4,9                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.000A1- | 5                          |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.100A1- | 5,1                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.159A1- | 5,159                      | 13/64"                     | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.200A1- | 5,2                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.300A1- | 5,3                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.400A1- | 5,4                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.500A1- | 5,5                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.550A1- | 5,55                       |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.556A1- | 5,556                      | 7/32"                      | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.600A1- | 5,6                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.700A1- | 5,7                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.800A1- | 5,8                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.900A1- | 5,9                        |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-05.953A1- | 5,953                      | 15/64"                     | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-06.000A1- | 6                          |                            | 20                   | 66                   | 28                   | 36                   | 6                          | ●      |
| DC150-03-06.100A1- | 6,1                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.200A1- | 6,2                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.300A1- | 6,3                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |
| DC150-03-06.350A1- | 6,35                       | 1/4"                       | 24                   | 79                   | 34                   | 36                   | 8                          | ●      |



| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-06.400A1- | 6,4                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.500A1- | 6,5                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.600A1- | 6,6                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.700A1- | 6,7                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.747A1- | 6,747                      | 17/64"                     | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.800A1- | 6,8                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-06.900A1- | 6,9                        |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.000A1- | 7                          |                            | 24                   | 79                   | 34                   | 36                   | 8                          | ☺      |
| DC150-03-07.100A1- | 7,1                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.144A1- | 7,144                      | 9/32"                      | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.200A1- | 7,2                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.300A1- | 7,3                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.400A1- | 7,4                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.500A1- | 7,5                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.541A1- | 7,541                      | 19/64"                     | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.600A1- | 7,6                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.700A1- | 7,7                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.800A1- | 7,8                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.900A1- | 7,9                        |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-07.938A1- | 7,938                      | 5/16"                      | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.000A1- | 8                          |                            | 29                   | 79                   | 41                   | 36                   | 8                          | ☺      |
| DC150-03-08.100A1- | 8,1                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.200A1- | 8,2                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.300A1- | 8,3                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.334A1- | 8,334                      | 21/64"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.400A1- | 8,4                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.500A1- | 8,5                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.600A1- | 8,6                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.700A1- | 8,7                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.731A1- | 8,731                      | 11/32"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.800A1- | 8,8                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-08.900A1- | 8,9                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.000A1- | 9                          |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.100A1- | 9,1                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.128A1- | 9,128                      | 23/64"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.200A1- | 9,2                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.300A1- | 9,3                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.400A1- | 9,4                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.500A1- | 9,5                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.525A1- | 9,525                      | 3/8"                       | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.600A1- | 9,6                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.700A1- | 9,7                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.800A1- | 9,8                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.900A1- | 9,9                        |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-09.922A1- | 9,922                      | 25/64"                     | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.000A1- | 10                         |                            | 35                   | 89                   | 47                   | 40                   | 10                         | ☺      |
| DC150-03-10.100A1- | 10,1                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.200A1- | 10,2                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.300A1- | 10,3                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.319A1- | 10,319                     | 13/32"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.400A1- | 10,4                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.500A1- | 10,5                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.600A1- | 10,6                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.700A1- | 10,7                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.716A1- | 10,716                     | 27/64"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.800A1- | 10,8                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |
| DC150-03-10.900A1- | 10,9                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ☺      |

Queue DIN 6535 HA



| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-03-11.000A1- | 11                         |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.100A1- | 11,1                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.113A1- | 11,113                     | 7/16"                      | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.200A1- | 11,2                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.300A1- | 11,3                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.400A1- | 11,4                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.500A1- | 11,5                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.509A1- | 11,509                     | 29/64"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.600A1- | 11,6                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.700A1- | 11,7                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.800A1- | 11,8                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.900A1- | 11,9                       |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-11.906A1- | 11,906                     | 15/32"                     | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-12.000A1- | 12                         |                            | 40                   | 102                  | 55                   | 45                   | 12                         | ⊕      |
| DC150-03-12.100A1- | 12,1                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.200A1- | 12,2                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.300A1- | 12,3                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.303A1- | 12,303                     | 31/64"                     | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.500A1- | 12,5                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.600A1- | 12,6                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.700A1- | 12,7                       | 1/2"                       | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.800A1- | 12,8                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-12.900A1- | 12,9                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.000A1- | 13                         |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.100A1- | 13,1                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.200A1- | 13,2                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.300A1- | 13,3                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.494A1- | 13,494                     | 17/32"                     | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.500A1- | 13,5                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-13.800A1- | 13,8                       |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-14.000A1- | 14                         |                            | 43                   | 107                  | 60                   | 45                   | 14                         | ⊕      |
| DC150-03-14.100A1- | 14,1                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-14.200A1- | 14,2                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-14.288A1- | 14,288                     | 9/16"                      | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-14.500A1- | 14,5                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-14.600A1- | 14,6                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-14.700A1- | 14,7                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.000A1- | 15                         |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.100A1- | 15,1                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.300A1- | 15,3                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.500A1- | 15,5                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.700A1- | 15,7                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.800A1- | 15,8                       |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-15.875A1- | 15,875                     | 5/8"                       | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-16.000A1- | 16                         |                            | 45                   | 115                  | 65                   | 48                   | 16                         | ⊕      |
| DC150-03-16.300A1- | 16,3                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ⊕      |
| DC150-03-16.500A1- | 16,5                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ⊕      |
| DC150-03-16.700A1- | 16,7                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ⊕      |
| DC150-03-17.000A1- | 17                         |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ⊕      |
| DC150-03-17.500A1- | 17,5                       |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ⊕      |
| DC150-03-18.000A1- | 18                         |                            | 51                   | 123                  | 73                   | 48                   | 18                         | ⊕      |
| DC150-03-18.500A1- | 18,5                       |                            | 55                   | 131                  | 79                   | 50                   | 20                         | ⊕      |
| DC150-03-19.000A1- | 19                         |                            | 55                   | 131                  | 79                   | 50                   | 20                         | ⊕      |
| DC150-03-19.050A1- | 19,05                      | 3/4"                       | 55                   | 131                  | 79                   | 50                   | 20                         | ⊕      |
| DC150-03-20.000A1- | 20                         |                            | 55                   | 131                  | 79                   | 50                   | 20                         | ⊕      |

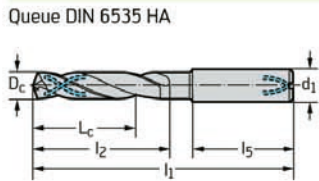
|   |                    | $D_c$<br>m7<br>mm | $D_c$<br>Inch/n° | $L_c$<br>mm | $l_1$<br>mm | $l_2$<br>mm | $l_5$<br>mm | $d_1$<br>h6<br>mm | WJ30RE |
|---|--------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------------|--------|
| DIN 6535 HE,<br>pivoté de 180°<br>DIN 6535 HB | DC150-03-03.000D1- | 3                 |                  | 14          | 62          | 20          | 36          | 6                 | ⊗      |
|   | DC150-03-03.300D1- | 3,3               |                  | 14          | 62          | 20          | 36          | 6                 | ⊗      |
|   | DC150-03-03.400D1- | 3,4               |                  | 14          | 62          | 20          | 36          | 6                 | ⊗      |
|   | DC150-03-03.500D1- | 3,5               |                  | 14          | 62          | 20          | 36          | 6                 | ⊗      |
|   | DC150-03-03.700D1- | 3,7               |                  | 14          | 62          | 20          | 36          | 6                 | ⊗      |
|   | DC150-03-03.800D1- | 3,8               |                  | 17          | 66          | 24          | 36          | 6                 | ⊗      |
|   | DC150-03-04.000D1- | 4                 |                  | 17          | 66          | 24          | 36          | 6                 | ⊗      |
|   | DC150-03-04.200D1- | 4,2               |                  | 17          | 66          | 24          | 36          | 6                 | ⊗      |
|   | DC150-03-04.300D1- | 4,3               |                  | 17          | 66          | 24          | 36          | 6                 | ⊗      |
|   | DC150-03-04.500D1- | 4,5               |                  | 17          | 66          | 24          | 36          | 6                 | ⊗      |
|   | DC150-03-04.800D1- | 4,8               |                  | 20          | 66          | 28          | 36          | 6                 | ⊗      |
|   | DC150-03-05.000D1- | 5                 |                  | 20          | 66          | 28          | 36          | 6                 | ⊗      |
|   | DC150-03-05.100D1- | 5,1               |                  | 20          | 66          | 28          | 36          | 6                 | ⊗      |
|   | DC150-03-05.300D1- | 5,3               |                  | 20          | 66          | 28          | 36          | 6                 | ⊗      |
|   | DC150-03-05.500D1- | 5,5               |                  | 20          | 66          | 28          | 36          | 6                 | ⊗      |
|   | DC150-03-06.000D1- | 6                 |                  | 20          | 66          | 28          | 36          | 6                 | ⊗      |
|   | DC150-03-06.500D1- | 6,5               |                  | 24          | 79          | 34          | 36          | 8                 | ⊗      |
|   | DC150-03-06.700D1- | 6,7               |                  | 24          | 79          | 34          | 36          | 8                 | ⊗      |
|   | DC150-03-06.800D1- | 6,8               |                  | 24          | 79          | 34          | 36          | 8                 | ⊗      |
|   | DC150-03-07.000D1- | 7                 |                  | 24          | 79          | 34          | 36          | 8                 | ⊗      |
|   | DC150-03-07.500D1- | 7,5               |                  | 29          | 79          | 41          | 36          | 8                 | ⊗      |
|   | DC150-03-07.800D1- | 7,8               |                  | 29          | 79          | 41          | 36          | 8                 | ⊗      |
|   | DC150-03-08.000D1- | 8                 |                  | 29          | 79          | 41          | 36          | 8                 | ⊗      |
|   | DC150-03-08.500D1- | 8,5               |                  | 35          | 89          | 47          | 40          | 10                | ⊗      |
|   | DC150-03-08.600D1- | 8,6               |                  | 35          | 89          | 47          | 40          | 10                | ⊗      |
|   | DC150-03-08.800D1- | 8,8               |                  | 35          | 89          | 47          | 40          | 10                | ⊗      |
|   | DC150-03-09.000D1- | 9                 |                  | 35          | 89          | 47          | 40          | 10                | ⊗      |
|   | DC150-03-10.000D1- | 10                |                  | 35          | 89          | 47          | 40          | 10                | ⊗      |
|   | DC150-03-10.200D1- | 10,2              |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-10.300D1- | 10,3              |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-10.500D1- | 10,5              |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-10.800D1- | 10,8              |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-11.000D1- | 11                |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-11.800D1- | 11,8              |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-12.000D1- | 12                |                  | 40          | 102         | 55          | 45          | 12                | ⊗      |
|   | DC150-03-12.200D1- | 12,2              |                  | 43          | 107         | 60          | 45          | 14                | ⊗      |
|   | DC150-03-12.500D1- | 12,5              |                  | 43          | 107         | 60          | 45          | 14                | ⊗      |
|   | DC150-03-13.000D1- | 13                |                  | 43          | 107         | 60          | 45          | 14                | ⊗      |
|   | DC150-03-14.000D1- | 14                |                  | 43          | 107         | 60          | 45          | 14                | ⊗      |
|   | DC150-03-15.000D1- | 15                |                  | 45          | 115         | 65          | 48          | 16                | ⊗      |
|   | DC150-03-15.500D1- | 15,5              |                  | 45          | 115         | 65          | 48          | 16                | ⊗      |
|   | DC150-03-16.000D1- | 16                |                  | 45          | 115         | 65          | 48          | 16                | ⊗      |
|   | DC150-03-16.500D1- | 16,5              |                  | 51          | 123         | 73          | 48          | 18                | ⊗      |
|   | DC150-03-17.000D1- | 17                |                  | 51          | 123         | 73          | 48          | 18                | ⊗      |
|   | DC150-03-17.500D1- | 17,5              |                  | 51          | 123         | 73          | 48          | 18                | ⊗      |
|   | DC150-03-18.000D1- | 18                |                  | 51          | 123         | 73          | 48          | 18                | ⊗      |
|   | DC150-03-19.000D1- | 19                |                  | 55          | 131         | 79          | 50          | 20                | ⊗      |
|   | DC150-03-20.000D1- | 20                |                  | 55          | 131         | 79          | 50          | 20                | ⊗      |

Exemple de commande pour la nuance WJ30RE : DC150-03-03.000A1-WJ30RE

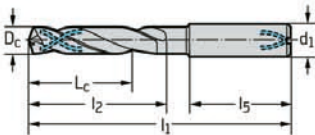


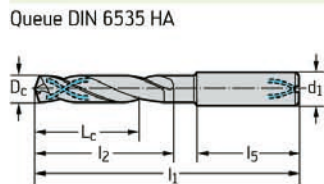
|        |    |   |    |    |    |    |   |
|--------|----|---|----|----|----|----|---|
| WJ30RE | P  | M | K  | N  | S  | H  | O |
|        | ●● | ● | ●● | ●● | ●● | ●● | ● |

| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-03.000A1- | 3                          |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.100A1- | 3,1                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.175A1- | 3,175                      | 1/8"                       | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.200A1- | 3,2                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.250A1- | 3,25                       |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.300A1- | 3,3                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.400A1- | 3,4                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.500A1- | 3,5                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.572A1- | 3,572                      | 9/64"                      | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.600A1- | 3,6                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.650A1- | 3,65                       |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.700A1- | 3,7                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ●●     |
| DC150-05-03.800A1- | 3,8                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-03.900A1- | 3,9                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-03.969A1- | 3,969                      | 5/32"                      | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.000A1- | 4                          |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.100A1- | 4,1                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.200A1- | 4,2                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.300A1- | 4,3                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.366A1- | 4,366                      | 11/64"                     | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.400A1- | 4,4                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.500A1- | 4,5                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.600A1- | 4,6                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.650A1- | 4,65                       |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.700A1- | 4,7                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ●●     |
| DC150-05-04.763A1- | 4,763                      | 3/16"                      | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-04.800A1- | 4,8                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-04.900A1- | 4,9                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.000A1- | 5                          |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.100A1- | 5,1                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.159A1- | 5,159                      | 13/64"                     | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.200A1- | 5,2                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.300A1- | 5,3                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.400A1- | 5,4                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.500A1- | 5,5                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.550A1- | 5,55                       |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.556A1- | 5,556                      | 7/32"                      | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.600A1- | 5,6                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.700A1- | 5,7                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.800A1- | 5,8                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.900A1- | 5,9                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-05.953A1- | 5,953                      | 15/64"                     | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-06.000A1- | 6                          |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ●●     |
| DC150-05-06.100A1- | 6,1                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ●●     |
| DC150-05-06.200A1- | 6,2                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ●●     |
| DC150-05-06.300A1- | 6,3                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ●●     |
| DC150-05-06.350A1- | 6,35                       | 1/4"                       | 43                   | 91                   | 53                   | 36                   | 8                          | ●●     |

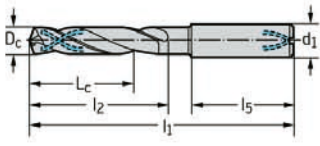
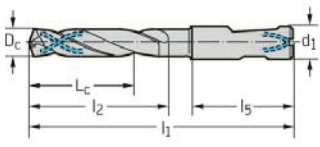




|   | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|---|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>Queue DIN 6535 HA</p>  | DC150-05-06.400A1- | 6,4                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-06.500A1- | 6,5                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-06.600A1- | 6,6                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-06.700A1- | 6,7                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-06.747A1- | 6,747                      | 17/64"                     | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-06.800A1- | 6,8                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-06.900A1- | 6,9                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.000A1- | 7                          |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.100A1- | 7,1                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.144A1- | 7,144                      | 9/32"                      | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.200A1- | 7,2                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.300A1- | 7,3                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.400A1- | 7,4                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.500A1- | 7,5                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.541A1- | 7,541                      | 19/64"                     | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.550A1- | 7,55                       |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.600A1- | 7,6                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.700A1- | 7,7                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.800A1- | 7,8                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.900A1- | 7,9                        |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-07.938A1- | 7,938                      | 5/16"                      | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-08.000A1- | 8                          |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ☺      |
|   | DC150-05-08.100A1- | 8,1                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.200A1- | 8,2                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.300A1- | 8,3                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.334A1- | 8,334                      | 21/64"                     | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.400A1- | 8,4                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.500A1- | 8,5                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.600A1- | 8,6                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.700A1- | 8,7                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.731A1- | 8,731                      | 11/32"                     | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.800A1- | 8,8                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
|   | DC150-05-08.900A1- | 8,9                        |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ☺      |
| DC150-05-09.000A1-  | 9                  |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.100A1-  | 9,1                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.128A1-  | 9,128              | 23/64"                     | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.200A1-  | 9,2                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.300A1-  | 9,3                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.400A1-  | 9,4                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.500A1-  | 9,4                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.525A1-  | 9,525              | 3/8"                       | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.550A1-  | 9,55               |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.600A1-  | 9,6                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.700A1-  | 9,7                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.800A1-  | 9,8                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.900A1-  | 9,9                |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-09.922A1-  | 9,922              | 25/64"                     | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-10.000A1-  | 10                 |                            | 49                         | 103                  | 61                   | 40                   | 10                   | ☺                          |        |
| DC150-05-10.100A1-  | 10,1               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.200A1-  | 10,2               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.300A1-  | 10,3               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.319A1-  | 10,319             | 13/32"                     | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.400A1-  | 10,4               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.500A1-  | 10,5               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.600A1-  | 10,6               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.700A1-  | 10,7               |                            | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |
| DC150-05-10.716A1-  | 10,716             | 27/64"                     | 56                         | 118                  | 71                   | 45                   | 12                   | ☺                          |        |



| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-05-10.800A1- | 10,8                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-10.900A1- | 10,9                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.000A1- | 11                         |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.100A1- | 11,1                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.113A1- | 11,113                     | 7/16"                      | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.200A1- | 11,2                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.300A1- | 11,3                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.400A1- | 11,4                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.500A1- | 11,5                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.509A1- | 11,509                     | 29/64"                     | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.600A1- | 11,6                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.700A1- | 11,7                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.800A1- | 11,8                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.900A1- | 11,9                       |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-11.906A1- | 11,906                     | 15/32"                     | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-12.000A1- | 12                         |                            | 56                   | 118                  | 71                   | 45                   | 12                         | 15     |
| DC150-05-12.100A1- | 12,1                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.200A1- | 12,2                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.250A1- | 12,25                      |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.300A1- | 12,3                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.303A1- | 12,303                     | 31/64"                     | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.400A1- | 12,4                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.100A1- | 12,4                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.500A1- | 12,5                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.600A1- | 12,6                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.700A1- | 12,7                       | 1/2"                       | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.800A1- | 12,8                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-12.900A1- | 12,9                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.000A1- | 13                         |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.200A1- | 13,2                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.300A1- | 13,3                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.400A1- | 13,4                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.494A1- | 13,494                     | 17/32"                     | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.500A1- | 13,5                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.600A1- | 13,6                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.700A1- | 13,7                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.800A1- | 13,8                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-13.900A1- | 13,9                       |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-14.000A1- | 14                         |                            | 60                   | 124                  | 77                   | 45                   | 14                         | 15     |
| DC150-05-14.100A1- | 14,1                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.200A1- | 14,2                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.288A1- | 14,288                     | 9/16"                      | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.300A1- | 14,3                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.500A1- | 14,5                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.600A1- | 14,6                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.700A1- | 14,7                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.750A1- | 14,75                      |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-14.800A1- | 14,8                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.000A1- | 15                         |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.100A1- | 15,1                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.200A1- | 15,2                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.300A1- | 15,3                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.500A1- | 15,5                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.600A1- | 15,6                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.700A1- | 15,7                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.800A1- | 15,8                       |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-15.875A1- | 15,875                     | 5/8"                       | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-16.000A1- | 16                         |                            | 63                   | 133                  | 83                   | 48                   | 16                         | 15     |
| DC150-05-16.100A1- | 16,1                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | 15     |
| DC150-05-16.200A1- | 16,2                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | 15     |
| DC150-05-16.300A1- | 16,3                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | 15     |

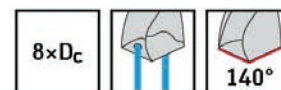
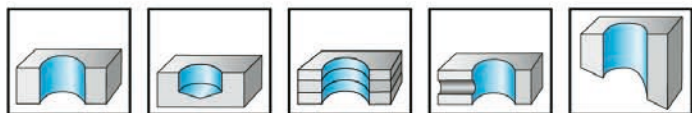
|  | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|--|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| Queue DIN 6535 HA<br>                              | DC150-05-16.500A1- | 16,5                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-16.700A1- | 16,7                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-16.750A1- | 16,75                      |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.000A1- | 17                         |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.100A1- | 17,1                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.200A1- | 17,2                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.300A1- | 17,3                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.500A1- | 17,5                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.600A1- | 17,6                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.700A1- | 17,7                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.800A1- | 17,8                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-17.900A1- | 17,9                       |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-18.000A1- | 18                         |                            | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|  | DC150-05-18.500A1- | 18,5                       |                            | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|  | DC150-05-18.900A1- | 18,9                       |                            | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|  | DC150-05-19.000A1- | 19                         |                            | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|  | DC150-05-19.050A1- | 19,05                      | 3/4"                       | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|  | DC150-05-19.300A1- | 19,3                       |                            | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|  | DC150-05-19.500A1- | 19,5                       |                            | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|  | DC150-05-19.700A1- | 19,7                       |                            | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
| DC150-05-19.800A1-   | 19,8               |                            | 77                         | 153                  | 101                  | 50                   | 20                   | ⊕                          |        |
| DC150-05-20.000A1-   | 20                 |                            | 77                         | 153                  | 101                  | 50                   | 20                   | ⊕                          |        |
| DIN 6535 HE,<br>pivoté de 180°<br>DIN 6535 HB<br> | DC150-05-03.000D1- | 3                          |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.100D1- | 3,1                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.200D1- | 3,2                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.300D1- | 3,3                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.400D1- | 3,4                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.500D1- | 3,5                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.600D1- | 3,6                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.700D1- | 3,7                        |                            | 23                   | 66                   | 28                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.800D1- | 3,8                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-03.900D1- | 3,9                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.000D1- | 4                          |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.100D1- | 4,1                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.200D1- | 4,2                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.300D1- | 4,3                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.400D1- | 4,4                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.500D1- | 4,5                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.600D1- | 4,6                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.650D1- | 4,65                       |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.700D1- | 4,7                        |                            | 29                   | 74                   | 36                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.800D1- | 4,8                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-04.900D1- | 4,9                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.000D1- | 5                          |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.100D1- | 5,1                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.200D1- | 5,2                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.300D1- | 5,3                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.400D1- | 5,4                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.500D1- | 5,5                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.550D1- | 5,55                       |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.600D1- | 5,6                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.700D1- | 5,7                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.800D1- | 5,8                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
|  | DC150-05-05.900D1- | 5,9                        |                            | 35                   | 82                   | 44                   | 36                   | 6                          | ⊕      |
| DC150-05-06.000D1-   | 6                  |                            | 35                         | 82                   | 44                   | 36                   | 6                    | ⊕                          |        |
| DC150-05-06.100D1-   | 6,1                |                            | 43                         | 91                   | 53                   | 36                   | 8                    | ⊕                          |        |
| DC150-05-06.200D1-   | 6,2                |                            | 43                         | 91                   | 53                   | 36                   | 8                    | ⊕                          |        |

Exemple de commande pour la nuance WJ30RE : DC150-05-03.000A1-WJ30RE

|                   | Désignation        | D <sub>c</sub><br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|-------------------|--------------------|----------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| Queue DIN 6535 HE | DC150-05-06.300F1- | 6,2                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-06.400F1- | 6,4                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-06.500F1- | 6,5                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-06.600F1- | 6,6                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-06.700F1- | 6,7                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-06.800F1- | 6,8                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-06.900F1- | 6,9                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.000F1- | 7                    |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.100F1- | 7,1                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.200F1- | 7,2                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.300F1- | 7,3                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.400F1- | 7,4                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.500F1- | 7,5                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.600F1- | 7,6                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.700F1- | 7,7                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.800F1- | 7,8                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-07.900F1- | 7,9                  |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-08.000F1- | 8                    |                            | 43                   | 91                   | 53                   | 36                   | 8                          | ⊕      |
|                   | DC150-05-08.100F1- | 8,1                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.200F1- | 8,2                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.300F1- | 8,3                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.400F1- | 8,4                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.500F1- | 8,5                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.600F1- | 8,6                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.700F1- | 8,7                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-08.800F1- | 8,8                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.000F1- | 9                    |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.100F1- | 9,1                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.200F1- | 9,2                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.300F1- | 9,3                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.400F1- | 9,4                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.500F1- | 9,5                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.600F1- | 9,6                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.700F1- | 9,7                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.800F1- | 9,8                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-09.900F1- | 9,9                  |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-10.000F1- | 10                   |                            | 49                   | 103                  | 61                   | 40                   | 10                         | ⊕      |
|                   | DC150-05-10.100F1- | 10,1                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-10.200F1- | 10,2                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-10.300F1- | 10,3                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-10.400F1- | 10,4                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-10.500F1- | 10,5                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-10.600F1- | 10,6                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-10.800F1- | 10,8                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.000F1- | 11                   |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.100F1- | 11,1                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.200F1- | 11,2                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.300F1- | 11,3                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.500F1- | 11,5                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.600F1- | 11,6                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.700F1- | 11,7                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.800F1- | 11,8                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-11.900F1- | 11,9                 |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-12.000F1- | 12                   |                            | 56                   | 118                  | 71                   | 45                   | 12                         | ⊕      |
|                   | DC150-05-12.100F1- | 12,1                 |                            | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|                   | DC150-05-12.200F1- | 12,2                 |                            | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|                   | DC150-05-12.300F1- | 12,3                 |                            | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|                   | DC150-05-12.400F1- | 12,4                 |                            | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|                   | DC150-05-12.500F1- | 12,5                 |                            | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|                   | DC150-05-12.700F1- | 12,7                 | 1/2"                       | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|                   | DC150-05-12.800F1- | 12,8                 |                            | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |

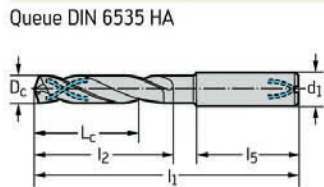
|   | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Inch/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30RE |
|---|--------------------|----------------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DIN 6535 HE,<br>pivoté de 180°<br>DIN 6535 HB | DC150-05-13.000D1- | 13                         |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|   | DC150-05-13.100D1- | 13,1                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|   | DC150-05-13.200D1- | 13,2                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|   | DC150-05-13.500D1- | 13,5                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|   | DC150-05-13.800D1- | 13,8                       |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|   | DC150-05-14.000D1- | 14                         |                           | 60                   | 124                  | 77                   | 45                   | 14                         | ⊕      |
|   | DC150-05-14.100D1- | 14,1                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-14.200D1- | 14,2                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-14.300D1- | 14,3                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-14.500D1- | 14,5                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-14.600D1- | 14,6                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-14.800D1- | 14,8                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.000D1- | 15                         |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.100D1- | 15,1                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.200D1- | 15,2                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.300D1- | 15,3                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.500D1- | 15,5                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.600D1- | 15,6                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.700D1- | 15,7                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-15.800D1- | 15,8                       |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-16.000D1- | 16                         |                           | 63                   | 133                  | 83                   | 48                   | 16                         | ⊕      |
|   | DC150-05-16.500D1- | 16,5                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-16.600D1- | 16,6                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-17.000D1- | 17                         |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-17.200D1- | 17,2                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-17.300D1- | 17,3                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-17.500D1- | 17,5                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-17.700D1- | 17,7                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-17.800D1- | 17,8                       |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-18.000D1- | 18                         |                           | 71                   | 143                  | 93                   | 48                   | 18                         | ⊕      |
|   | DC150-05-18.100D1- | 18,1                       |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|   | DC150-05-18.500D1- | 18,5                       |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|   | DC150-05-18.800D1- | 18,8                       |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|   | DC150-05-19.000D1- | 19                         |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|   | DC150-05-19.500D1- | 19,5                       |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|   | DC150-05-19.700D1- | 19,7                       |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |
|   | DC150-05-20.000D1- | 20                         |                           | 77                   | 153                  | 101                  | 50                   | 20                         | ⊕      |

Exemple de commande pour la nuance WJ30RE : DC150-05-03.000A1-WJ30RE



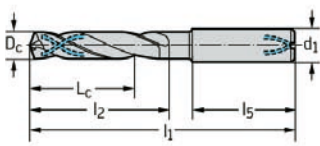
|        |    |   |    |    |    |    |   |
|--------|----|---|----|----|----|----|---|
|        | P  | M | K  | N  | S  | H  | O |
| WJ30TA | ●● | ● | ●● | ●● | ●● | ●● | ● |

|                       | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|-----------------------|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| Queue DIN 6535 HA<br> | DC150-08-03.000A1- | 3                          |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.100A1- | 3,1                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.175A1- | 3,175                      | 1/8"                       | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.200A1- | 3,2                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.300A1- | 3,3                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.400A1- | 3,4                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.500A1- | 3,5                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.572A1- | 3,572                      | 9/64"                      | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.600A1- | 3,6                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.700A1- | 3,7                        |                            | 28                   | 74                   | 34                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.800A1- | 3,8                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.900A1- | 3,9                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-03.969A1- | 3,969                      | 5/32"                      | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.000A1- | 4                          |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.100A1- | 4,1                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.200A1- | 4,2                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.300A1- | 4,3                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.366A1- | 4,366                      | 11/64"                     | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.400A1- | 4,4                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.500A1- | 4,5                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.600A1- | 4,6                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.700A1- | 4,7                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.763A1- | 4,7                        |                            | 37                   | 85                   | 45                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.800A1- | 4,8                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-04.900A1- | 4,9                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.000A1- | 5                          |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.100A1- | 5,1                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.159A1- | 5,159                      | 13/64"                     | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.200A1- | 5,2                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.300A1- | 5,3                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.400A1- | 5,4                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.500A1- | 5,5                        |                            | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
|                       | DC150-08-05.556A1- | 5,556                      | 7/32"                      | 48                   | 97                   | 57                   | 36                   | 6                          | ●●     |
| DC150-08-05.600A1-    | 5,6                |                            | 48                         | 97                   | 57                   | 36                   | 6                    | ●●                         |        |
| DC150-08-05.700A1-    | 5,7                |                            | 48                         | 97                   | 57                   | 36                   | 6                    | ●●                         |        |
| DC150-08-05.800A1-    | 5,8                |                            | 48                         | 97                   | 57                   | 36                   | 6                    | ●●                         |        |
| DC150-08-05.900A1-    | 5,9                |                            | 48                         | 97                   | 57                   | 36                   | 6                    | ●●                         |        |
| DC150-08-05.953A1-    | 5,953              | 15/64"                     | 48                         | 97                   | 57                   | 36                   | 6                    | ●●                         |        |
| DC150-08-06.000A1-    | 6                  |                            | 48                         | 97                   | 57                   | 36                   | 6                    | ●●                         |        |
| DC150-08-06.100A1-    | 6,1                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.200A1-    | 6,2                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.300A1-    | 6,3                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.350A1-    | 6,35               | 1/4"                       | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.400A1-    | 6,4                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.500A1-    | 6,5                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.600A1-    | 6,6                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |
| DC150-08-06.700A1-    | 6,7                |                            | 55                         | 106                  | 66                   | 36                   | 8                    | ●●                         |        |



Queue DIN 6535 HA

| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-08-06.747A1- | 6,747                      | 17/64"                     | 55                   | 106                  | 66                   | 36                   | 8                          | ⊗      |
| DC150-08-06.800A1- | 6,8                        |                            | 55                   | 106                  | 66                   | 36                   | 8                          | ⊗      |
| DC150-08-06.900A1- | 6,9                        |                            | 55                   | 106                  | 66                   | 36                   | 8                          | ⊗      |
| DC150-08-07.000A1- | 7                          |                            | 55                   | 106                  | 66                   | 36                   | 8                          | ⊗      |
| DC150-08-07.100A1- | 7,1                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.144A1- | 7,144                      | 9/32"                      | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.200A1- | 7,2                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.300A1- | 7,3                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.400A1- | 7,4                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.500A1- | 7,5                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.541A1- | 7,541                      | 19/64"                     | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.600A1- | 7,6                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.700A1- | 7,7                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.800A1- | 7,8                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.900A1- | 7,9                        |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-07.938A1- | 7,938                      | 5/16"                      | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-08.000A1- | 8                          |                            | 64                   | 116                  | 76                   | 36                   | 8                          | ⊗      |
| DC150-08-08.100A1- | 8,1                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.200A1- | 8,2                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.300A1- | 8,3                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.334A1- | 8,334                      | 21/64"                     | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.400A1- | 8,4                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.500A1- | 8,5                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.600A1- | 8,6                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.700A1- | 8,7                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.731A1- | 8,731                      | 11/32"                     | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.800A1- | 8,8                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-08.900A1- | 8,9                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.000A1- | 9                          |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.100A1- | 9,1                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.128A1- | 9,128                      | 23/64"                     | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.200A1- | 9,2                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.300A1- | 9,3                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.400A1- | 9,4                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.500A1- | 9,5                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.525A1- | 9,525                      | 3/8"                       | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.600A1- | 9,6                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.700A1- | 9,7                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.800A1- | 9,8                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.900A1- | 9,9                        |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-09.922A1- | 9,922                      | 25/64"                     | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-10.000A1- | 10                         |                            | 80                   | 139                  | 95                   | 40                   | 10                         | ⊗      |
| DC150-08-10.100A1- | 10,1                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.200A1- | 10,2                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.300A1- | 10,3                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.319A1- | 10,319                     | 13/32"                     | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.400A1- | 10,4                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.500A1- | 10,5                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.700A1- | 10,7                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.716A1- | 10,716                     | 27/64"                     | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.800A1- | 10,8                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-10.900A1- | 10,9                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-11.000A1- | 11                         |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-11.100A1- | 11,1                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-11.113A1- | 11,113                     | 7/16"                      | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-11.200A1- | 11,2                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
| DC150-08-11.300A1- | 11,3                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |

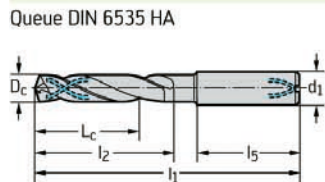
|   | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|---|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>Queue DIN 6535 HA</p>  | DC150-08-11.500A1- | 11,5                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-11.600A1- | 11,6                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-11.700A1- | 11,7                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-11.800A1- | 11,8                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-11.900A1- | 11,9                       |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-11.906A1- | 11,906                     | 15/32"                     | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-12.000A1- | 12                         |                            | 96                   | 163                  | 114                  | 45                   | 12                         | ⊗      |
|   | DC150-08-12.303A1- | 12,303                     | 31/64"                     | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-12.500A1- | 12,5                       |                            | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-12.700A1- | 12,7                       | 1/2"                       | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-13.000A1- | 13                         |                            | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-13.494A1- | 13,494                     | 17/32"                     | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-13.500A1- | 13,5                       |                            | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-14.000A1- | 14                         |                            | 119                  | 182                  | 133                  | 45                   | 14                         | ⊗      |
|   | DC150-08-14.288A1- | 14,288                     | 9/16"                      | 136                  | 204                  | 152                  | 48                   | 16                         | ⊗      |
|   | DC150-08-14.500A1- | 14,5                       |                            | 136                  | 204                  | 152                  | 48                   | 16                         | ⊗      |
|   | DC150-08-15.000A1- | 15                         |                            | 136                  | 204                  | 152                  | 48                   | 16                         | ⊗      |
|   | DC150-08-15.500A1- | 15,5                       |                            | 136                  | 204                  | 152                  | 48                   | 16                         | ⊗      |
|   | DC150-08-15.875A1- | 15,875                     | 5/8"                       | 136                  | 204                  | 152                  | 48                   | 16                         | ⊗      |
|   | DC150-08-16.000A1- | 16                         |                            | 136                  | 204                  | 152                  | 48                   | 16                         | ⊗      |
|   | DC150-08-16.500A1- | 16,5                       |                            | 153                  | 223                  | 171                  | 48                   | 18                         | ⊗      |
|   | DC150-08-17.000A1- | 17                         |                            | 153                  | 223                  | 171                  | 48                   | 18                         | ⊗      |
|   | DC150-08-17.500A1- | 17,5                       |                            | 153                  | 223                  | 171                  | 48                   | 18                         | ⊗      |
|   | DC150-08-18.000A1- | 18                         |                            | 153                  | 223                  | 171                  | 48                   | 18                         | ⊗      |
|   | DC150-08-18.500A1- | 18,5                       |                            | 170                  | 244                  | 190                  | 50                   | 20                         | ⊗      |
|   | DC150-08-19.000A1- | 19                         |                            | 170                  | 244                  | 190                  | 50                   | 20                         | ⊗      |
|   | DC150-08-19.050A1- | 19,05                      | 3/4"                       | 170                  | 244                  | 190                  | 50                   | 20                         | ⊗      |
|   | DC150-08-19.500A1- | 19,5                       |                            | 170                  | 244                  | 190                  | 50                   | 20                         | ⊗      |
|   | DC150-08-20.000A1- | 20                         |                            | 170                  | 244                  | 190                  | 50                   | 20                         | ⊗      |





|        |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|
|        | P | M | K | N | S | H | O |
| WJ30TA | ● | ● | ● | ● | ● | ● | ● |

|                          | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------------|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>Queue DIN 6535 HA</p> | DC150-12-03.000A1- | 3                          |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.100A1- | 3,1                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.175A1- | 3,175                      | 1/8"                       | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.200A1- | 3,2                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.300A1- | 3,3                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.400A1- | 3,4                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.500A1- | 3,5                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.572A1- | 3,572                      | 9/64"                      | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.600A1- | 3,6                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.700A1- | 3,7                        |                            | 48                   | 92                   | 54                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.800A1- | 3,8                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.900A1- | 3,9                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-03.969A1- | 3,969                      | 5/32"                      | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.000A1- | 4                          |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.100A1- | 4,1                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.200A1- | 4,2                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.300A1- | 4,3                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.366A1- | 4,366                      | 11/64"                     | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.400A1- | 4,4                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.500A1- | 4,5                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.600A1- | 4,6                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.700A1- | 4,7                        |                            | 56                   | 102                  | 64                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.763A1- | 4,763                      | 3/16"                      | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.800A1- | 4,8                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-04.900A1- | 4,9                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.000A1- | 5                          |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.100A1- | 5,1                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.159A1- | 5,159                      | 13/64"                     | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.200A1- | 5,2                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.300A1- | 5,3                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.400A1- | 5,4                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.500A1- | 5,5                        |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.550A1- | 5,55                       |                            | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
|                          | DC150-12-05.556A1- | 5,556                      | 7/32"                      | 74                   | 121                  | 83                   | 36                   | 6                          | ●      |
| DC150-12-05.600A1-       | 5,6                |                            | 74                         | 121                  | 83                   | 36                   | 6                    | ●                          |        |
| DC150-12-05.700A1-       | 5,7                |                            | 74                         | 121                  | 83                   | 36                   | 6                    | ●                          |        |
| DC150-12-05.800A1-       | 5,8                |                            | 74                         | 121                  | 83                   | 36                   | 6                    | ●                          |        |
| DC150-12-05.900A1-       | 5,9                |                            | 74                         | 121                  | 83                   | 36                   | 6                    | ●                          |        |
| DC150-12-06.000A1-       | 6                  |                            | 74                         | 121                  | 83                   | 36                   | 6                    | ●                          |        |
| DC150-12-06.100A1-       | 6,1                |                            | 98                         | 148                  | 110                  | 36                   | 8                    | ●                          |        |
| DC150-12-06.200A1-       | 6,2                |                            | 98                         | 148                  | 110                  | 36                   | 8                    | ●                          |        |
| DC150-12-06.300A1-       | 6,3                |                            | 98                         | 148                  | 110                  | 36                   | 8                    | ●                          |        |
| DC150-12-06.350A1-       | 6,35               | 1/4"                       | 98                         | 148                  | 110                  | 36                   | 8                    | ●                          |        |



| Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| DC150-12-06.400A1- | 6,4                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-06.500A1- | 6,5                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-06.600A1- | 6,6                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-06.700A1- | 6,7                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-06.747A1- | 6,747                      | 17/64"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-06.800A1- | 6,8                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-06.900A1- | 6,9                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.000A1- | 7                          |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.100A1- | 7,1                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.144A1- | 7,144                      | 9/32"                      | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.200A1- | 7,2                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.300A1- | 7,3                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.400A1- | 7,4                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.500A1- | 7,5                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.541A1- | 7,541                      | 19/64"                     | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.800A1- | 7,8                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.900A1- | 7,9                        |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-07.938A1- | 7,938                      | 5/16"                      | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-08.000A1- | 8                          |                            | 98                   | 148                  | 110                  | 36                   | 8                          | ☺      |
| DC150-12-08.100A1- | 8,1                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.200A1- | 8,2                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.300A1- | 8,3                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.400A1- | 8,4                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.500A1- | 8,5                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.600A1- | 8,6                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.700A1- | 8,7                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.731A1- | 8,731                      | 11/32"                     | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-08.800A1- | 8,8                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.000A1- | 9                          |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.128A1- | 9,128                      | 23/64"                     | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.200A1- | 9,2                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.300A1- | 9,3                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.500A1- | 9,5                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.525A1- | 9,525                      | 3/8"                       | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.600A1- | 9,6                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.700A1- | 9,7                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.800A1- | 9,8                        |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-09.922A1- | 9,922                      | 25/64"                     | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-10.000A1- | 10                         |                            | 123                  | 180                  | 138                  | 40                   | 10                         | ☺      |
| DC150-12-10.100A1- | 10,1                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.200A1- | 10,2                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.300A1- | 10,3                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.319A1- | 10,319                     | 13/32"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.500A1- | 10,5                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.716A1- | 10,716                     | 27/64"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-10.800A1- | 10,8                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.000A1- | 11                         |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.100A1- | 11,1                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.113A1- | 11,113                     | 7/16"                      | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.200A1- | 11,2                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.500A1- | 11,5                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.509A1- | 11,509                     | 29/64"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.700A1- | 11,7                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.800A1- | 11,8                       |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-11.906A1- | 11,906                     | 15/32"                     | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-12.000A1- | 12                         |                            | 140                  | 206                  | 158                  | 45                   | 12                         | ☺      |
| DC150-12-12.100A1- | 12,1                       |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.200A1- | 12,2                       |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.300A1- | 12,3                       |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.303A1- | 12,303                     | 31/64"                     | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |
| DC150-12-12.500A1- | 12,5                       |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ☺      |

|                          | Désignation        | D <sub>c</sub><br>m7<br>mm | D <sub>c</sub><br>Pouce/n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | l <sub>5</sub><br>mm | d <sub>1</sub><br>h6<br>mm | WJ30TA |
|--------------------------|--------------------|----------------------------|----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------------|--------|
| <p>Queue DIN 6535 HA</p> | DC150-12-12.600A1- | 12,6                       |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ⊕      |
|                          | DC150-12-12.700A1- | 12,7                       | 1/2"                       | 168                  | 230                  | 182                  | 45                   | 14                         | ⊕      |
|                          | DC150-12-13.000A1- | 13                         |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ⊕      |
|                          | DC150-12-13.494A1- | 13,494                     | 17/32"                     | 168                  | 230                  | 182                  | 45                   | 14                         | ⊕      |
|                          | DC150-12-13.500A1- | 13,5                       |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ⊕      |
|                          | DC150-12-14.000A1- | 14                         |                            | 168                  | 230                  | 182                  | 45                   | 14                         | ⊕      |
|                          | DC150-12-14.288A1- | 14,288                     | 9/16"                      | 192                  | 260                  | 208                  | 48                   | 16                         | ⊕      |
|                          | DC150-12-14.500A1- | 14,5                       |                            | 192                  | 260                  | 208                  | 48                   | 16                         | ⊕      |
|                          | DC150-12-15.000A1- | 15                         |                            | 192                  | 260                  | 208                  | 48                   | 16                         | ⊕      |
|                          | DC150-12-15.500A1- | 15,5                       |                            | 192                  | 260                  | 208                  | 48                   | 16                         | ⊕      |
|                          | DC150-12-15.875A1- | 15,875                     | 5/8"                       | 192                  | 260                  | 208                  | 48                   | 16                         | ⊕      |
|                          | DC150-12-16.000A1- | 16                         |                            | 192                  | 260                  | 208                  | 48                   | 16                         | ⊕      |
|                          | DC150-12-16.500A1- | 16,5                       |                            | 216                  | 285                  | 234                  | 48                   | 18                         | ⊕      |
|                          | DC150-12-17.000A1- | 17                         |                            | 216                  | 285                  | 234                  | 48                   | 18                         | ⊕      |
|                          | DC150-12-17.500A1- | 17,5                       |                            | 216                  | 285                  | 234                  | 48                   | 18                         | ⊕      |
|                          | DC150-12-18.000A1- | 18                         |                            | 216                  | 285                  | 234                  | 48                   | 18                         | ⊕      |
|                          | DC150-12-19.000A1- | 19                         |                            | 238                  | 310                  | 258                  | 50                   | 20                         | ⊕      |
|                          | DC150-12-20.000A1- | 20                         |                            | 238                  | 310                  | 258                  | 50                   | 20                         | ⊕      |

# Taraud pour machines HSS-E TC216 PERFORM

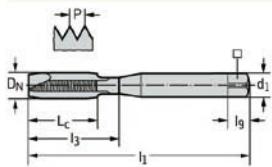


- Pour matériaux à copeaux longs



|        | P | M | K | N | S | H | O |
|--------|---|---|---|---|---|---|---|
| WY80AA | ● | ● | ● | ● | ■ | ■ | ■ |
| WY80FC | ● | ● | ● | ● | ■ | ■ | ■ |

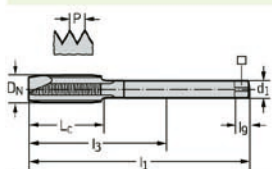
## DIN 371



| Désignation   | DN   | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | □ mm | l <sub>9</sub> mm | N | WY80AA | WY80FC |
|---------------|------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|--------|--------|
| TC216-M3-C0-  | M 3  | 0,5  | 56                | 9                 | 18                | 3,5                  | 2,7  | 6                 | 2 | ●      | ●      |
| TC216-M4-C0-  | M 4  | 0,7  | 63                | 12                | 21                | 4,5                  | 3,4  | 6                 | 3 | ●      | ●      |
| TC216-M5-C0-  | M 5  | 0,8  | 70                | 13                | 25                | 6                    | 4,9  | 8                 | 3 | ●      | ●      |
| TC216-M6-C0-  | M 6  | 1    | 80                | 15                | 30                | 6                    | 4,9  | 8                 | 3 | ●      | ●      |
| TC216-M8-C0-  | M 8  | 1,25 | 90                | 18                | 35                | 8                    | 6,2  | 9                 | 3 | ●      | ●      |
| TC216-M10-C0- | M 10 | 1,5  | 100               | 20                | 39                | 10                   | 8    | 11                | 3 | ●      | ●      |

Exemple de commande pour la nuance WY80FC : TC216-M3-C0-WY80FC

## DIN 376

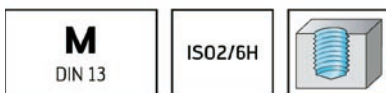
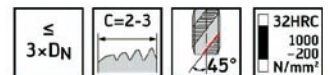


| Désignation   | DN   | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | □ mm | l <sub>9</sub> mm | N | WY80AA | WY80FC |
|---------------|------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|--------|--------|
| TC216-M12-L0- | M 12 | 1,75 | 110               | 23                | 83                | 9                    | 7    | 10                | 3 | ●      | ●      |
| TC216-M14-L0- | M 14 | 2    | 110               | 25                | 81                | 11                   | 9    | 12                | 4 | ●      | ●      |
| TC216-M16-L0- | M 16 | 2    | 110               | 25                | 68                | 12                   | 9    | 12                | 4 | ●      | ●      |
| TC216-M20-L0- | M 20 | 2,5  | 140               | 30                | 95                | 16                   | 12   | 15                | 4 | ●      | ●      |

# Taraud pour machines HSS-E TC115 PERFORM

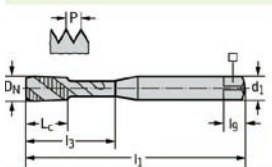


- Pour matériaux à copeaux longs



|        | P | M | K | N | S | H | O |
|--------|---|---|---|---|---|---|---|
| WY80AA | ● | ● | ● | ● | ■ | ■ | ■ |
| WY80FC | ● | ● | ● | ● | ■ | ■ | ■ |

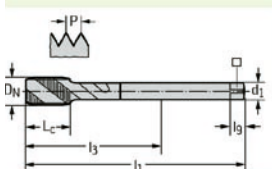
## DIN 371



| Désignation   | DN   | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | □ mm | l <sub>9</sub> mm | N | WY80AA | WY80FC |
|---------------|------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|--------|--------|
| TC115-M3-C0-  | M 3  | 0,5  | 56                | 6                 | 18                | 3,5                  | 2,7  | 6                 | 3 | ●      | ●      |
| TC115-M4-C0-  | M 4  | 0,7  | 63                | 7                 | 21                | 4,5                  | 3,4  | 6                 | 3 | ●      | ●      |
| TC115-M5-C0-  | M 5  | 0,8  | 70                | 8                 | 25                | 6                    | 4,9  | 8                 | 3 | ●      | ●      |
| TC115-M6-C0-  | M 6  | 1    | 80                | 10                | 30                | 6                    | 4,9  | 8                 | 3 | ●      | ●      |
| TC115-M8-C0-  | M 8  | 1,25 | 90                | 12                | 35                | 8                    | 6,2  | 9                 | 3 | ●      | ●      |
| TC115-M10-C0- | M 10 | 1,5  | 100               | 15                | 39                | 10                   | 8    | 11                | 3 | ●      | ●      |

Exemple de commande pour la nuance WY80FC : TC115-M3-C0-WY80FC

## DIN 376

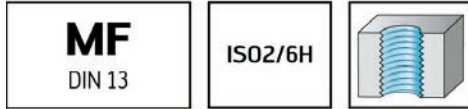


| Désignation   | DN   | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | □ mm | l <sub>9</sub> mm | N | WY80AA | WY80FC |
|---------------|------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|--------|--------|
| TC115-M12-L0- | M 12 | 1,75 | 110               | 16                | 83                | 9                    | 7    | 10                | 3 | ●      | ●      |
| TC115-M14-L0- | M 14 | 2    | 110               | 20                | 81                | 11                   | 9    | 12                | 3 | ●      | ●      |
| TC115-M16-L0- | M 16 | 2    | 110               | 20                | 68                | 12                   | 9    | 12                | 3 | ●      | ●      |
| TC115-M20-L0- | M 20 | 2,5  | 140               | 25                | 95                | 16                   | 12   | 15                | 4 | ●      | ●      |

# Taraud pour machines HSS-E TC216 PERFORM

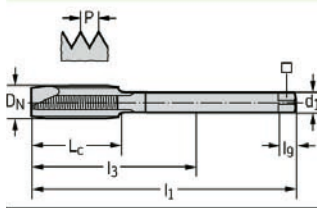


- Pour matériaux à copeaux longs



|        | P | M | K | N | S | H | O |
|--------|---|---|---|---|---|---|---|
| WY80AA | ● | ● | ● | ● |   |   |   |
| WY80FC | ● | ● | ● | ● |   |   |   |

## DIN 374

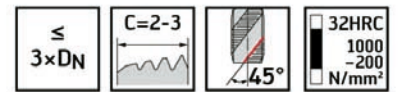


| Désignation        | DN         | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | □ mm | l <sub>g</sub> mm | N | WY80AA | WY80FC |
|--------------------|------------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|--------|--------|
| TC216-M8X1-L0-     | MF 8x1     | 1    | 90                | 18                | 67                | 6                    | 4,9  | 8                 | 3 | ●      | ●      |
| TC216-M10X1-L0-    | MF 10x1    | 1    | 90                | 20                | 67                | 7                    | 5,5  | 8                 | 3 | ●      | ●      |
| TC216-M12X1.25-L0- | MF 12x1.25 | 1,25 | 100               | 21                | 73                | 9                    | 7    | 10                | 4 | ●      | ●      |
| TC216-M12X1.5-L0-  | MF 12x1.5  | 1,5  | 100               | 21                | 73                | 9                    | 7    | 10                | 4 | ●      | ●      |
| TC216-M14X1.5-L0-  | MF 14x1.5  | 1,5  | 100               | 21                | 71                | 11                   | 9    | 12                | 4 | ●      | ●      |
| TC216-M16X1.5-L0-  | MF 16x1.5  | 1,5  | 100               | 21                | 58                | 12                   | 9    | 12                | 4 | ●      | ●      |
| TC216-M18X1.5-L0-  | MF 18x1.5  | 1,5  | 110               | 24                | 66                | 14                   | 11   | 14                | 4 | ●      | ●      |

# Taraud pour machines HSS-E TC115 PERFORM

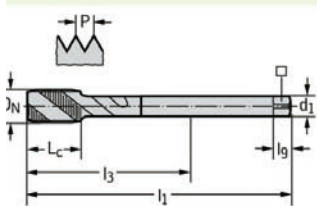


- Pour matériaux à copeaux longs



|        | P | M | K | N | S | H | O |
|--------|---|---|---|---|---|---|---|
| WY80AA | ● | ● | ● | ● |   |   |   |
| WY80FC | ● | ● | ● | ● |   |   |   |

## DIN 374



| Désignation        | DN         | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | □ mm | l <sub>g</sub> mm | N | WY80AA | WY80FC |
|--------------------|------------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|--------|--------|
| TC115-M8X1-L0-     | MF 8x1     | 1    | 90                | 12                | 67                | 6                    | 4,9  | 8                 | 3 | ●      | ●      |
| TC115-M10X1-L0-    | MF 10x1    | 1    | 90                | 12                | 67                | 7                    | 5,5  | 8                 | 3 | ●      | ●      |
| TC115-M12X1.25-L0- | MF 12x1.25 | 1,25 | 100               | 13                | 73                | 9                    | 7    | 10                | 4 | ●      | ●      |
| TC115-M12X1.5-L0-  | MF 12x1.5  | 1,5  | 100               | 13                | 73                | 9                    | 7    | 10                | 4 | ●      | ●      |
| TC115-M14X1.5-L0-  | MF 14x1.5  | 1,5  | 100               | 15                | 71                | 11                   | 9    | 12                | 4 | ●      | ●      |
| TC115-M16X1.5-L0-  | MF 16x1.5  | 1,5  | 100               | 15                | 58                | 12                   | 9    | 12                | 4 | ●      | ●      |
| TC115-M18X1.5-L0-  | MF 18x1.5  | 1,5  | 110               | 17                | 66                | 14                   | 11   | 14                | 4 | ●      | ●      |

# Taraud pour machines HSS-E TC216 PERFORM



| DIN/ANSI | Désignation       | D <sub>N</sub> -P | D <sub>N</sub><br>pouces | l <sub>1</sub><br>h9<br>pouces | L <sub>c</sub><br>pouces | l <sub>3</sub><br>pouces | d <sub>1</sub><br>pouces | □<br>pouces | l <sub>g</sub><br>pouce/<br>n° | N | WY80AA |
|----------|-------------------|-------------------|--------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|-------------|--------------------------------|---|--------|
|          | TC216DUNC6-C0-    | UNC 6-32          | 0,138                    | 2,205                          | 0,433                    | 0,787                    | 0,141                    | 0,110       | 3/16"                          | 3 |        |
|          | TC216DUNC8-C0-    | UNC 8-32          | 0,164                    | 2,480                          | 0,472                    | 0,827                    | 0,168                    | 0,131       | 1/4"                           | 3 |        |
|          | TC216DUNC10-C0-   | UNC 10-24         | 0,190                    | 2,756                          | 0,512                    | 0,984                    | 0,194                    | 0,152       | 1/4"                           | 3 |        |
|          | TC216DUNC1/4-C0-  | UNC 1/4-20        | 0,250                    | 3,150                          | 0,591                    | 1,181                    | 0,255                    | 0,191       | 5/16"                          | 3 |        |
|          | TC216DUNC5/16-C0- | UNC 5/16-18       | 0,313                    | 3,543                          | 0,709                    | 1,378                    | 0,318                    | 0,238       | 3/8"                           | 3 |        |
|          | TC216DUNC3/8-C0-  | UNC 3/8-16        | 0,375                    | 3,937                          | 0,787                    | 1,535                    | 0,381                    | 0,286       | 7/16"                          | 3 |        |

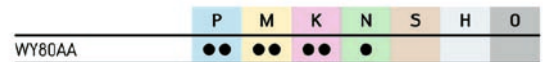
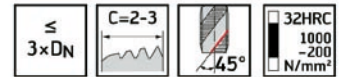
Longueur DIN / queue ANSI  
Exemple de commande pour la nuance WY80AA : TC216DUNC6-C0-WY80AA

| DIN/ANSI | Désignation      | D <sub>N</sub> -P | D <sub>N</sub><br>pouces | l <sub>1</sub><br>h9<br>pouces | L <sub>c</sub><br>pouces | l <sub>3</sub><br>pouces | d <sub>1</sub><br>pouces | □<br>pouces | l <sub>g</sub><br>pouce/<br>n° | N | WY80AA |
|----------|------------------|-------------------|--------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|-------------|--------------------------------|---|--------|
|          | TC216DUNC1/2-L0- | UNC 1/2-13        | 0,500                    | 4,331                          | 0,906                    | 3,224                    | 0,367                    | 0,275       | 7/16"                          | 4 |        |
|          | TC216DUNC5/8-L0- | UNC 5/8-11        | 0,625                    | 4,331                          | 0,984                    | 2,587                    | 0,480                    | 0,360       | 9/16"                          | 4 |        |
|          | TC216DUNC3/4-L0- | UNC 3/4-10        | 0,750                    | 4,921                          | 1,181                    | 3,051                    | 0,590                    | 0,442       | 11/16"                         | 4 |        |
|          |                  |                   |                          |                                |                          |                          |                          |             |                                |   |        |

# Taraud pour machines HSS-E TC115 PERFORM



- Pour matériaux à copeaux longs

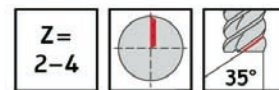
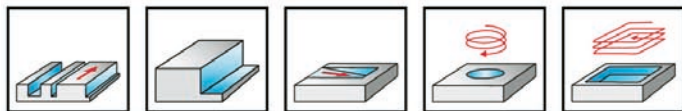


| DIN/ANSI | Désignation       | D <sub>N</sub> -P | D <sub>N</sub><br>pouces | l <sub>1</sub><br>pouces | L <sub>c</sub><br>pouces | l <sub>3</sub><br>pouces | d <sub>1</sub><br>h9<br>pouces | □<br>pouces | l <sub>g</sub><br>pouce/<br>n° | N | WY80AA |
|----------|-------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------------|-------------|--------------------------------|---|--------|
|          | TC115DUNC6-C0-    | UNC 6-32          | 0,138                    | 2,205                    | 0,256                    | 0,787                    | 0,141                          | 0,110       | 3/16"                          | 3 |        |
|          | TC115DUNC8-C0-    | UNC 8-32          | 0,164                    | 2,480                    | 0,276                    | 0,827                    | 0,168                          | 0,131       | 1/4"                           | 3 |        |
|          | TC115DUNC10-C0-   | UNC 10-24         | 0,190                    | 2,756                    | 0,315                    | 0,984                    | 0,194                          | 0,152       | 1/4"                           | 3 |        |
|          | TC115DUNC1/4-C0-  | UNC 1/4-20        | 0,250                    | 3,150                    | 0,394                    | 1,181                    | 0,255                          | 0,191       | 5/16"                          | 3 |        |
|          | TC115DUNC5/16-C0- | UNC 5/16-18       | 0,313                    | 3,543                    | 0,472                    | 1,378                    | 0,318                          | 0,238       | 3/8"                           | 3 |        |
|          | TC115DUNC3/8-C0-  | UNC 3/8-16        | 0,375                    | 3,937                    | 0,591                    | 1,535                    | 0,381                          | 0,286       | 7/16"                          | 3 |        |

Longueur DIN / queue ANSI  
Exemple de commande pour la nuance WY80FC : TC115DUNC6-C0-WY80AA

| DIN/ANSI | Désignation      | D <sub>N</sub> -P | D <sub>N</sub><br>pouces | l <sub>1</sub><br>pouces | L <sub>c</sub><br>pouces | l <sub>3</sub><br>pouces | d <sub>1</sub><br>h9<br>pouces | □<br>pouces | l <sub>g</sub><br>pouce/<br>n° | N | WY80AA |
|----------|------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------------|-------------|--------------------------------|---|--------|
|          | TC115DUNC1/2-L0- | UNC 1/2-13        | 0,500                    | 4,331                    | 0,709                    | 3,224                    | 0,367                          | 0,275       | 7/16"                          | 3 |        |
|          | TC115DUNC5/8-L0- | UNC 5/8-11        | 0,625                    | 4,331                    | 0,787                    | 2,587                    | 0,480                          | 0,360       | 9/16"                          | 3 |        |
|          | TC115DUNC3/4-L0- | UNC 3/4-10        | 0,750                    | 4,921                    | 0,984                    | 3,051                    | 0,590                          | 0,442       | 11/16"                         | 4 |        |
|          |                  |                   |                          |                          |                          |                          |                                |             |                                |   |        |

# Fraise à dresser / rainurer en carbure monobloc MC232 Perform



|        |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|
|        | P | M | K | N | S | H | O |
| WJ30ED | ● | ● | ● | ● | ● | ● | ● |

| DIN 6527 L            |                | D <sub>c</sub><br>h12<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>4</sub><br>mm | d <sub>1</sub><br>h6<br>mm | Z | WJ30ED |
|-----------------------|----------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------|---|--------|
| Queue DIN 6535 HA<br> | Désignation    |                             |                      |                      |                      |                            |   |        |
|                       | MC232-02.0A2B- | 2                           | 6                    | 57                   | 21                   | 4                          | 2 | ●      |
|                       | MC232-02.5A2B- | 2.5                         | 7                    | 57                   | 21                   | 4                          | 2 | ●      |
|                       | MC232-03.0A2B- | 3                           | 7                    | 57                   | 21                   | 4                          | 2 | ●      |
|                       | MC232-03.5A2B- | 3.5                         | 7                    | 57                   | 21                   | 4                          | 2 | ●      |
| MC232-04.0A2B-        | 4              | 8                           | 57                   | 21                   | 4                    | 2                          | ● |        |
| Queue DIN 6535 HB<br> | Désignation    |                             |                      |                      |                      |                            |   |        |
|                       | MC232-05.0W2B- | 5                           | 10                   | 57                   | 21                   | 6                          | 2 | ●      |
|                       | MC232-06.0W2B- | 6                           | 10                   | 57                   | 21                   | 6                          | 2 | ●      |
|                       | MC232-08.0W2B- | 8                           | 16                   | 63                   | 27                   | 8                          | 2 | ●      |
|                       | MC232-10.0W2B- | 10                          | 19                   | 72                   | 32                   | 10                         | 2 | ●      |
|                       | MC232-12.0W2B- | 12                          | 22                   | 83                   | 38                   | 12                         | 2 | ●      |
|                       | MC232-16.0W2B- | 16                          | 26                   | 92                   | 44                   | 16                         | 2 | ●      |
| MC232-20.0W2B-        | 20             | 32                          | 104                  | 54                   | 20                   | 2                          | ● |        |

Exemple de commande pour la nuance WJ30ED : MC232-02.0A2B-WJ30ED

| DIN 6527 L            |                | D <sub>c</sub><br>h12<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>4</sub><br>mm | d <sub>1</sub><br>h6<br>mm | Z | WJ30ED |
|-----------------------|----------------|-----------------------------|----------------------|----------------------|----------------------|----------------------------|---|--------|
| Queue DIN 6535 HA<br> | Désignation    |                             |                      |                      |                      |                            |   |        |
|                       | MC232-02.0A3B- | 2                           | 6                    | 57                   | 21                   | 4                          | 3 | ●      |
|                       | MC232-02.5A3B- | 2.5                         | 7                    | 57                   | 21                   | 4                          | 3 | ●      |
|                       | MC232-03.0A3B- | 3                           | 7                    | 57                   | 21                   | 4                          | 3 | ●      |
|                       | MC232-03.5A3B- | 3.5                         | 7                    | 57                   | 21                   | 4                          | 3 | ●      |
| MC232-04.0A3B-        | 4              | 8                           | 57                   | 21                   | 4                    | 3                          | ● |        |
| Queue DIN 6535 HB<br> | Désignation    |                             |                      |                      |                      |                            |   |        |
|                       | MC232-05.0W3B- | 5                           | 10                   | 57                   | 21                   | 6                          | 3 | ●      |
|                       | MC232-06.0W3B- | 6                           | 10                   | 57                   | 21                   | 6                          | 3 | ●      |
|                       | MC232-08.0W3B- | 8                           | 16                   | 63                   | 27                   | 8                          | 3 | ●      |
|                       | MC232-10.0W3B- | 10                          | 19                   | 72                   | 32                   | 10                         | 3 | ●      |
|                       | MC232-12.0W3B- | 12                          | 22                   | 83                   | 38                   | 12                         | 3 | ●      |
|                       | MC232-16.0W3B- | 16                          | 26                   | 92                   | 44                   | 16                         | 3 | ●      |
| MC232-20.0W3B-        | 20             | 32                          | 104                  | 54                   | 20                   | 3                          | ● |        |

| DIN 6527 L        |                | $D_c$<br>h12<br>mm | $L_c$<br>mm | $l_1$<br>mm | $l_4$<br>mm | $d_1$<br>h6<br>mm | Z  | WJ30ED |
|-------------------|----------------|--------------------|-------------|-------------|-------------|-------------------|----|--------|
| Queue DIN 6535 HA | Désignation    |                    |             |             |             |                   |    |        |
|                   | MC232-02.0A4B- | 2                  | 7           | 57          | 21          | 4                 | 4  | ●●     |
|                   | MC232-02.5A4B- | 2,5                | 8           | 57          | 21          | 4                 | 4  | ●●     |
|                   | MC232-03.0A4B- | 3                  | 8           | 57          | 21          | 4                 | 4  | ●●     |
|                   | MC232-03.5A4B- | 3,5                | 10          | 57          | 21          | 4                 | 4  | ●●     |
| MC232-04.0A4B-    | 4              | 11                 | 57          | 21          | 4           | 4                 | ●● |        |
| Queue DIN 6535 HB | MC232-05.0W4B- | 5                  | 13          | 57          | 21          | 6                 | 4  | ●●     |
|                   | MC232-06.0W4B- | 6                  | 13          | 57          | 21          | 6                 | 4  | ●●     |
|                   | MC232-08.0W4B- | 8                  | 19          | 63          | 27          | 8                 | 4  | ●●     |
|                   | MC232-10.0W4B- | 10                 | 22          | 72          | 32          | 10                | 4  | ●●     |
|                   | MC232-12.0W4B- | 12                 | 26          | 83          | 38          | 12                | 4  | ●●     |
|                   | MC232-16.0W4B- | 16                 | 32          | 92          | 44          | 16                | 4  | ●●     |
|                   | MC232-20.0W4B- | 20                 | 38          | 104         | 54          | 20                | 4  | ●●     |

## Outils de perçage en HSS

Etape par étape vers l'outil adéquat

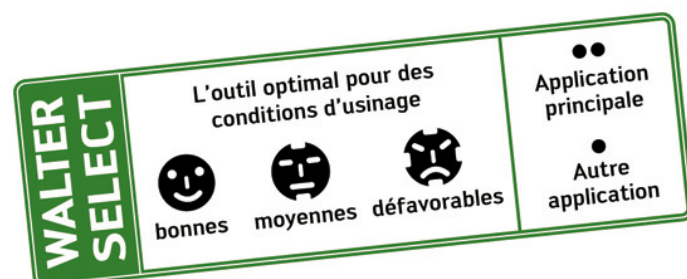
### ETAPE 1

Déterminez la **matière à usiner**.

Notez le **groupe d'usinage** correspondant à votre matériau, p. ex. : K5.

| Lettres d'identification | Groupes d'usinage | Groupes des matériaux à usiner                |  |
|--------------------------|-------------------|---|--|
| <b>P</b>                 | P1-P15            | Acier   | Tous les types d'acier, d'acier moulé, sauf acier inoxydable à structure austénitique              |
| <b>M</b>                 | M1-M3             | Acier inoxydable                              | Acier inoxydable austénitique, acier austénitique-ferritique et acier moulé                        |
| <b>K</b>                 | K1-K7             | Fonte   | Fonte grise, fonte nodulaire, fonte malléable, fonte à graphite vermiculaire                       |
| <b>N</b>                 | N1-N10            | Métaux non ferreux                            | Aluminium et autres métaux non ferreux, matériaux non ferreux                                      |
| <b>S</b>                 | S1-S10            | Matériaux réfractaires et difficiles à usiner | Alliages spéciaux réfractaires à base de fer, de nickel et de cobalt, titane et alliages de titane |
| <b>H</b>                 | H1-H4             | Matériaux durs                                | Acier trempé, matériaux en fonte moulée trempée, fonte en coquille                                 |
| <b>O</b>                 | O1-O6             | Autres  | Matières plastiques, matières plastiques renforcées de fibres de verre et de carbone, graphite     |

|    |    |    |    |   |   |   |
|----|----|----|----|---|---|---|
| P  | M  | K  | N  | S | H | O |
| ●● | ●● | ●● | ●● | ● |   | ● |

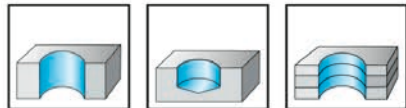




# Foret hélicoïdal HSS-E extra-court A1149XPL



UFL®



~3xD<sub>C</sub>

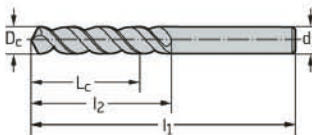
DIN  
1897

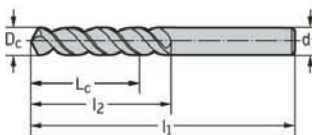


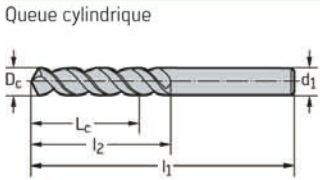
130°

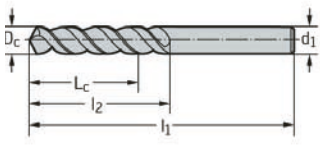
|     |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|
|     | P | M | K | N | S | H | O |
| XPL | ● | ● | ● | ● | ● | ● | ● |

|                 | Désignation<br>XPL | D <sub>C</sub><br>h8<br>mm | D <sub>C</sub><br>pouces / n° | L <sub>C</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|-----------------|--------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|                 | A1149XPL-1         | 1                          |                               | 4                    | 26                   | 6                    | 1                           |
|                 | A1149XPL-N060      | 1,016                      | No. 60                        | 4                    | 26                   | 6                    | 1,016                       |
|                 | A1149XPL-N059      | 1,041                      | No. 59                        | 4                    | 26                   | 6                    | 1,041                       |
|                 | A1149XPL-N058      | 1,067                      | No. 58                        | 5                    | 28                   | 7                    | 1,067                       |
|                 | A1149XPL-N057      | 1,092                      | No. 57                        | 5                    | 28                   | 7                    | 1,092                       |
|                 | A1149XPL-1.1       | 1,1                        |                               | 5                    | 28                   | 7                    | 1,1                         |
|                 | A1149XPL-N056      | 1,181                      | No. 56                        | 6                    | 30                   | 8                    | 1,181                       |
|                 | A1149XPL-3/64IN    | 1,191                      | 3/64"                         | 6                    | 30                   | 8                    | 1,191                       |
|                 | A1149XPL-1.2       | 1,2                        |                               | 6                    | 30                   | 8                    | 1,2                         |
|                 | A1149XPL-1.3       | 1,3                        |                               | 6                    | 30                   | 8                    | 1,3                         |
|                 | A1149XPL-N055      | 1,321                      | No. 55                        | 6                    | 32                   | 9                    | 1,321                       |
|                 | A1149XPL-N054      | 1,397                      | No. 54                        | 6                    | 32                   | 9                    | 1,397                       |
|                 | A1149XPL-1.4       | 1,4                        |                               | 6                    | 32                   | 9                    | 1,4                         |
|                 | A1149XPL-1.5       | 1,5                        |                               | 6                    | 32                   | 9                    | 1,5                         |
|                 | A1149XPL-N053      | 1,511                      | No. 53                        | 7                    | 34                   | 10                   | 1,511                       |
|                 | A1149XPL-1/16IN    | 1,588                      | 1/16"                         | 7                    | 34                   | 10                   | 1,588                       |
|                 | A1149XPL-1.6       | 1,6                        |                               | 7                    | 34                   | 10                   | 1,6                         |
|                 | A1149XPL-N052      | 1,613                      | No. 52                        | 7                    | 34                   | 10                   | 1,613                       |
|                 | A1149XPL-1.7       | 1,7                        |                               | 7                    | 34                   | 10                   | 1,7                         |
|                 | A1149XPL-N051      | 1,702                      | No. 51                        | 8                    | 36                   | 11                   | 1,702                       |
|                 | A1149XPL-N050      | 1,778                      | No. 50                        | 8                    | 36                   | 11                   | 1,778                       |
|                 | A1149XPL-1.8       | 1,8                        |                               | 8                    | 36                   | 11                   | 1,8                         |
|                 | A1149XPL-N049      | 1,854                      | No. 49                        | 8                    | 36                   | 11                   | 1,854                       |
|                 | A1149XPL-1.9       | 1,9                        |                               | 8                    | 36                   | 11                   | 1,9                         |
|                 | A1149XPL-N048      | 1,93                       | No. 48                        | 8                    | 38                   | 12                   | 1,93                        |
|                 | A1149XPL-5/64IN    | 1,984                      | 5/64"                         | 8                    | 38                   | 12                   | 1,984                       |
|                 | A1149XPL-N047      | 1,994                      | No. 47                        | 8                    | 38                   | 12                   | 1,994                       |
|                 | A1149XPL-2         | 2                          |                               | 8                    | 38                   | 12                   | 2                           |
|                 | A1149XPL-N046      | 2,057                      | No. 46                        | 8                    | 38                   | 12                   | 2,057                       |
|                 | A1149XPL-N045      | 2,083                      | No. 45                        | 8                    | 38                   | 12                   | 2,083                       |
| A1149XPL-2.1    | 2,1                |                            | 8                             | 38                   | 12                   | 2,1                  |                             |
| A1149XPL-N044   | 2,184              | No. 44                     | 9                             | 40                   | 13                   | 2,184                |                             |
| A1149XPL-2.2    | 2,2                |                            | 9                             | 40                   | 13                   | 2,2                  |                             |
| A1149XPL-N043   | 2,261              | No. 43                     | 9                             | 40                   | 13                   | 2,261                |                             |
| A1149XPL-2.3    | 2,3                |                            | 9                             | 40                   | 13                   | 2,3                  |                             |
| A1149XPL-N042   | 2,375              | No. 42                     | 10                            | 43                   | 14                   | 2,375                |                             |
| A1149XPL-3/32IN | 2,381              | 3/32"                      | 10                            | 43                   | 14                   | 2,381                |                             |
| A1149XPL-2.4    | 2,4                |                            | 10                            | 43                   | 14                   | 2,4                  |                             |
| A1149XPL-N041   | 2,438              | No. 41                     | 10                            | 43                   | 14                   | 2,438                |                             |
| A1149XPL-N040   | 2,489              | No. 40                     | 10                            | 43                   | 14                   | 2,489                |                             |
| A1149XPL-2.5    | 2,5                |                            | 10                            | 43                   | 14                   | 2,5                  |                             |
| A1149XPL-N039   | 2,527              | No. 39                     | 10                            | 43                   | 14                   | 2,527                |                             |
| A1149XPL-N038   | 2,578              | No. 38                     | 10                            | 43                   | 14                   | 2,578                |                             |
| A1149XPL-2.6    | 2,6                |                            | 10                            | 43                   | 14                   | 2,6                  |                             |
| A1149XPL-N037   | 2,642              | No. 37                     | 10                            | 43                   | 14                   | 2,642                |                             |
| A1149XPL-2.7    | 2,7                |                            | 11                            | 46                   | 16                   | 2,7                  |                             |
| A1149XPL-N036   | 2,705              | No. 36                     | 11                            | 46                   | 16                   | 2,705                |                             |
| A1149XPL-7/64IN | 2,778              | 7/64"                      | 11                            | 46                   | 16                   | 2,778                |                             |

|  | Désignation XPL  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1149XPL-N035    | 2,794                      | No. 35                        | 11                   | 46                   | 16                   | 2,794                       |
|  | A1149XPL-2.8     | 2,8                        |                               | 11                   | 46                   | 16                   | 2,8                         |
|  | A1149XPL-N034    | 2,819                      | No. 34                        | 11                   | 46                   | 16                   | 2,819                       |
|  | A1149XPL-N033    | 2,87                       | No. 33                        | 11                   | 46                   | 16                   | 2,87                        |
|  | A1149XPL-2.9     | 2,9                        |                               | 11                   | 46                   | 16                   | 2,9                         |
|  | A1149XPL-N032    | 2,946                      | No. 32                        | 11                   | 46                   | 16                   | 2,946                       |
|  | A1149XPL-3       | 3                          |                               | 11                   | 46                   | 16                   | 3                           |
|  | A1149XPL-N031    | 3,048                      | No. 31                        | 12                   | 49                   | 18                   | 3,048                       |
|  | A1149XPL-3.1     | 3,1                        |                               | 12                   | 49                   | 18                   | 3,1                         |
|  | A1149XPL-1/8IN   | 3,175                      | 1/8"                          | 12                   | 49                   | 18                   | 3,175                       |
|  | A1149XPL-3.2     | 3,2                        |                               | 12                   | 49                   | 18                   | 3,2                         |
|  | A1149XPL-N030    | 3,264                      | No. 30                        | 12                   | 49                   | 18                   | 3,264                       |
|  | A1149XPL-3.3     | 3,3                        |                               | 12                   | 49                   | 18                   | 3,3                         |
|  | A1149XPL-3.4     | 3,4                        |                               | 14                   | 52                   | 20                   | 3,4                         |
|  | A1149XPL-N029    | 3,454                      | No. 29                        | 14                   | 52                   | 20                   | 3,454                       |
|  | A1149XPL-3.5     | 3,5                        |                               | 14                   | 52                   | 20                   | 3,5                         |
|  | A1149XPL-N028    | 3,569                      | No. 28                        | 14                   | 52                   | 20                   | 3,569                       |
|  | A1149XPL-9/64IN  | 3,572                      | 9/64"                         | 14                   | 52                   | 20                   | 3,572                       |
|  | A1149XPL-3.6     | 3,6                        |                               | 14                   | 52                   | 20                   | 3,6                         |
|  | A1149XPL-N027    | 3,658                      | No. 27                        | 14                   | 52                   | 20                   | 3,658                       |
|  | A1149XPL-3.7     | 3,7                        |                               | 14                   | 52                   | 20                   | 3,7                         |
|  | A1149XPL-N026    | 3,734                      | No. 26                        | 14                   | 52                   | 20                   | 3,734                       |
|  | A1149XPL-N025    | 3,797                      | No. 25                        | 15                   | 55                   | 22                   | 3,797                       |
|  | A1149XPL-3.8     | 3,8                        |                               | 15                   | 55                   | 22                   | 3,8                         |
|  | A1149XPL-N024    | 3,861                      | No. 24                        | 15                   | 55                   | 22                   | 3,861                       |
|  | A1149XPL-3.9     | 3,9                        |                               | 15                   | 55                   | 22                   | 3,9                         |
|  | A1149XPL-N023    | 3,912                      | No. 23                        | 15                   | 55                   | 22                   | 3,912                       |
|  | A1149XPL-5/32IN  | 3,969                      | 5/32"                         | 15                   | 55                   | 22                   | 3,969                       |
|  | A1149XPL-N022    | 3,988                      | No. 22                        | 15                   | 55                   | 22                   | 3,988                       |
|  | A1149XPL-4       | 4                          |                               | 15                   | 55                   | 22                   | 4                           |
|  | A1149XPL-N021    | 4,039                      | No. 21                        | 15                   | 55                   | 22                   | 4,039                       |
|  | A1149XPL-N020    | 4,089                      | No. 20                        | 15                   | 55                   | 22                   | 4,089                       |
|  | A1149XPL-4.1     | 4,1                        |                               | 15                   | 55                   | 22                   | 4,1                         |
|  | A1149XPL-4.2     | 4,2                        |                               | 15                   | 55                   | 22                   | 4,2                         |
|  | A1149XPL-N019    | 4,216                      | No. 19                        | 15                   | 55                   | 22                   | 4,216                       |
|  | A1149XPL-4.3     | 4,3                        |                               | 16                   | 58                   | 24                   | 4,3                         |
|  | A1149XPL-N018    | 4,305                      | No. 18                        | 16                   | 58                   | 24                   | 4,305                       |
|  | A1149XPL-11/64IN | 4,366                      | 11/64"                        | 16                   | 58                   | 24                   | 4,366                       |
|  | A1149XPL-N017    | 4,394                      | No. 17                        | 16                   | 58                   | 24                   | 4,394                       |
|  | A1149XPL-4.4     | 4,4                        |                               | 16                   | 58                   | 24                   | 4,4                         |
|  | A1149XPL-N016    | 4,496                      | No. 16                        | 16                   | 58                   | 24                   | 4,496                       |
|  | A1149XPL-4.5     | 4,5                        |                               | 16                   | 58                   | 24                   | 4,5                         |
|  | A1149XPL-N015    | 4,572                      | No. 15                        | 16                   | 58                   | 24                   | 4,572                       |
|  | A1149XPL-4.6     | 4,6                        |                               | 16                   | 58                   | 24                   | 4,6                         |
|  | A1149XPL-N014    | 4,623                      | No. 14                        | 16                   | 58                   | 24                   | 4,623                       |
|  | A1149XPL-4.65    | 4,65                       |                               | 16                   | 58                   | 24                   | 4,65                        |
|  | A1149XPL-N013    | 4,699                      | No. 13                        | 16                   | 58                   | 24                   | 4,699                       |
|  | A1149XPL-4.7     | 4,7                        |                               | 16                   | 58                   | 24                   | 4,7                         |
|  | A1149XPL-3/16IN  | 4,763                      | 3/16"                         | 18                   | 62                   | 26                   | 4,763                       |
|  | A1149XPL-4.8     | 4,8                        |                               | 18                   | 62                   | 26                   | 4,8                         |
|  | A1149XPL-N012    | 4,801                      | No. 12                        | 18                   | 62                   | 26                   | 4,801                       |
|  | A1149XPL-N011    | 4,851                      | No. 11                        | 18                   | 62                   | 26                   | 4,851                       |
|  | A1149XPL-4.9     | 4,9                        |                               | 18                   | 62                   | 26                   | 4,9                         |
|  | A1149XPL-N010    | 4,915                      | No. 10                        | 18                   | 62                   | 26                   | 4,915                       |
|  | A1149XPL-N09     | 4,978                      | No. 09                        | 18                   | 62                   | 26                   | 4,978                       |
|  | A1149XPL-5       | 5                          |                               | 18                   | 62                   | 26                   | 5                           |
|  | A1149XPL-N08     | 5,055                      | No. 08                        | 18                   | 62                   | 26                   | 5,055                       |
|  | A1149XPL-5.1     | 5,1                        |                               | 18                   | 62                   | 26                   | 5,1                         |

|  | Désignation XPL  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1149XPL-N07     | 5,105                      | No. 07                        | 18                   | 62                   | 26                   | 5,105                       |
|  | A1149XPL-13/64IN | 5,159                      | 13/64"                        | 18                   | 62                   | 26                   | 5,159                       |
|  | A1149XPL-N06     | 5,182                      | No. 06                        | 18                   | 62                   | 26                   | 5,182                       |
|  | A1149XPL-5.2     | 5,2                        |                               | 18                   | 62                   | 26                   | 5,2                         |
|  | A1149XPL-N05     | 5,22                       | No. 05                        | 18                   | 62                   | 26                   | 5,22                        |
|  | A1149XPL-5.3     | 5,3                        |                               | 18                   | 62                   | 26                   | 5,3                         |
|  | A1149XPL-N04     | 5,309                      | No. 04                        | 19                   | 66                   | 28                   | 5,309                       |
|  | A1149XPL-5.4     | 5,4                        |                               | 19                   | 66                   | 28                   | 5,4                         |
|  | A1149XPL-N03     | 5,41                       | No. 03                        | 19                   | 66                   | 28                   | 5,41                        |
|  | A1149XPL-5.5     | 5,5                        |                               | 19                   | 66                   | 28                   | 5,5                         |
|  | A1149XPL-5.55    | 5,55                       |                               | 19                   | 66                   | 28                   | 5,55                        |
|  | A1149XPL-7/32IN  | 5,556                      | 7/32"                         | 19                   | 66                   | 28                   | 5,556                       |
|  | A1149XPL-5.6     | 5,6                        |                               | 19                   | 66                   | 28                   | 5,6                         |
|  | A1149XPL-N02     | 5,613                      | No. 02                        | 19                   | 66                   | 28                   | 5,613                       |
|  | A1149XPL-5.7     | 5,7                        |                               | 19                   | 66                   | 28                   | 5,7                         |
|  | A1149XPL-N01     | 5,791                      | No. 01                        | 19                   | 66                   | 28                   | 5,791                       |
|  | A1149XPL-5.8     | 5,8                        |                               | 19                   | 66                   | 28                   | 5,8                         |
|  | A1149XPL-5.9     | 5,9                        |                               | 19                   | 66                   | 28                   | 5,9                         |
|  | A1149XPL-LET.A   | 5,944                      | Let.A                         | 19                   | 66                   | 28                   | 5,944                       |
|  | A1149XPL-15/64IN | 5,953                      | 15/64"                        | 19                   | 66                   | 28                   | 5,953                       |
|  | A1149XPL-6       | 6                          |                               | 19                   | 66                   | 28                   | 6                           |
|  | A1149XPL-LET.B   | 6,045                      | Let.B                         | 20                   | 70                   | 31                   | 6,045                       |
|  | A1149XPL-6.1     | 6,1                        |                               | 20                   | 70                   | 31                   | 6,1                         |
|  | A1149XPL-LET.C   | 6,147                      | Let.C                         | 20                   | 70                   | 31                   | 6,147                       |
|  | A1149XPL-6.2     | 6,2                        |                               | 20                   | 70                   | 31                   | 6,2                         |
|  | A1149XPL-LET.D   | 6,248                      | Let.D                         | 20                   | 70                   | 31                   | 6,248                       |
|  | A1149XPL-6.3     | 6,3                        |                               | 20                   | 70                   | 31                   | 6,3                         |
|  | A1149XPL-1/4IN   | 6,35                       | 1/4"                          | 20                   | 70                   | 31                   | 6,35                        |
|  | A1149XPL-6.4     | 6,4                        |                               | 20                   | 70                   | 31                   | 6,4                         |
|  | A1149XPL-6.5     | 6,5                        |                               | 20                   | 70                   | 31                   | 6,5                         |
|  | A1149XPL-LET.F   | 6,528                      | Let.F                         | 20                   | 70                   | 31                   | 6,528                       |
|  | A1149XPL-6.6     | 6,6                        |                               | 20                   | 70                   | 31                   | 6,6                         |
|  | A1149XPL-LET.G   | 6,629                      | Let.G                         | 20                   | 70                   | 31                   | 6,629                       |
|  | A1149XPL-6.7     | 6,7                        |                               | 20                   | 70                   | 31                   | 6,7                         |
|  | A1149XPL-17/64IN | 6,747                      | 17/64"                        | 22                   | 74                   | 34                   | 6,747                       |
|  | A1149XPL-LET.H   | 6,756                      | Let.H                         | 22                   | 74                   | 34                   | 6,756                       |
|  | A1149XPL-6.8     | 6,8                        |                               | 22                   | 74                   | 34                   | 6,8                         |
|  | A1149XPL-6.9     | 6,9                        |                               | 22                   | 74                   | 34                   | 6,9                         |
|  | A1149XPL-LET.I   | 6,909                      | Let.I                         | 22                   | 74                   | 34                   | 6,909                       |
|  | A1149XPL-7       | 7                          |                               | 22                   | 74                   | 34                   | 7                           |
|  | A1149XPL-LET.J   | 7,036                      | Let.J                         | 22                   | 74                   | 34                   | 7,036                       |
|  | A1149XPL-7.1     | 7,1                        |                               | 22                   | 74                   | 34                   | 7,1                         |
|  | A1149XPL-LET.K   | 7,137                      | Let.K                         | 22                   | 74                   | 34                   | 7,137                       |
|  | A1149XPL-9/32IN  | 7,144                      | 9/32"                         | 22                   | 74                   | 34                   | 7,144                       |
|  | A1149XPL-7.2     | 7,2                        |                               | 22                   | 74                   | 34                   | 7,2                         |
|  | A1149XPL-7.3     | 7,3                        |                               | 22                   | 74                   | 34                   | 7,3                         |
|  | A1149XPL-LET.L   | 7,366                      | Let.L                         | 22                   | 74                   | 34                   | 7,366                       |
|  | A1149XPL-7.4     | 7,4                        |                               | 22                   | 74                   | 34                   | 7,4                         |
|  | A1149XPL-LET.M   | 7,493                      | Let.M                         | 22                   | 74                   | 34                   | 7,493                       |
|  | A1149XPL-7.5     | 7,5                        |                               | 22                   | 74                   | 34                   | 7,5                         |
|  | A1149XPL-19/64IN | 7,541                      | 19/64"                        | 24                   | 79                   | 37                   | 7,541                       |
|  | A1149XPL-7.6     | 7,6                        |                               | 24                   | 79                   | 37                   | 7,6                         |
|  | A1149XPL-LET.N   | 7,671                      | Let.N                         | 24                   | 79                   | 37                   | 7,671                       |
|  | A1149XPL-7.7     | 7,7                        |                               | 24                   | 79                   | 37                   | 7,7                         |
|  | A1149XPL-7.8     | 7,8                        |                               | 24                   | 79                   | 37                   | 7,8                         |
|  | A1149XPL-7.9     | 7,9                        |                               | 24                   | 79                   | 37                   | 7,9                         |
|  | A1149XPL-5/16IN  | 7,938                      | 5/16"                         | 24                   | 79                   | 37                   | 7,938                       |
|  | A1149XPL-8       | 8                          |                               | 24                   | 79                   | 37                   | 8                           |
|  | A1149XPL-LET.O   | 8,026                      | Let.O                         | 24                   | 79                   | 37                   | 8,026                       |
|  | A1149XPL-8.1     | 8,1                        |                               | 24                   | 79                   | 37                   | 8,1                         |
|  | A1149XPL-8.2     | 8,2                        |                               | 24                   | 79                   | 37                   | 8,2                         |
|  | A1149XPL-LET.P   | 8,204                      | Let.P                         | 24                   | 79                   | 37                   | 8,204                       |

|  | Désignation XPL  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  | A1149XPL-8.3     | 8,3                        |                               | 24                   | 79                   | 37                   | 8,3                         |
|  | A1149XPL-21/64IN | 8,334                      | 21/64"                        | 24                   | 79                   | 37                   | 8,334                       |
|  | A1149XPL-8.4     | 8,4                        |                               | 24                   | 79                   | 37                   | 8,4                         |
|  | A1149XPL-LET.Q   | 8,433                      | Let.Q                         | 24                   | 79                   | 37                   | 8,433                       |
|  | A1149XPL-8.5     | 8,5                        |                               | 24                   | 79                   | 37                   | 8,5                         |
|  | A1149XPL-8.6     | 8,6                        |                               | 25                   | 84                   | 40                   | 8,6                         |
|  | A1149XPL-LET.R   | 8,611                      | Let.R                         | 25                   | 84                   | 40                   | 8,611                       |
|  | A1149XPL-8.7     | 8,7                        |                               | 25                   | 84                   | 40                   | 8,7                         |
|  | A1149XPL-11/32IN | 8,731                      | 11/32"                        | 25                   | 84                   | 40                   | 8,731                       |
|  | A1149XPL-8.8     | 8,8                        |                               | 25                   | 84                   | 40                   | 8,8                         |
|  | A1149XPL-LET.S   | 8,839                      | Let.S                         | 25                   | 84                   | 40                   | 8,839                       |
|  | A1149XPL-8.9     | 8,9                        |                               | 25                   | 84                   | 40                   | 8,9                         |
|  | A1149XPL-9       | 9                          |                               | 25                   | 84                   | 40                   | 9                           |
|  | A1149XPL-LET.T   | 9,093                      | Let.T                         | 25                   | 84                   | 40                   | 9,093                       |
|  | A1149XPL-9.1     | 9,1                        |                               | 25                   | 84                   | 40                   | 9,1                         |
|  | A1149XPL-23/64IN | 9,128                      | 23/64"                        | 25                   | 84                   | 40                   | 9,128                       |
|  | A1149XPL-9.2     | 9,2                        |                               | 25                   | 84                   | 40                   | 9,2                         |
|  | A1149XPL-9.3     | 9,3                        |                               | 25                   | 84                   | 40                   | 9,3                         |
|  | A1149XPL-LET.U   | 9,347                      | Let.U                         | 25                   | 84                   | 40                   | 9,347                       |
|  | A1149XPL-9.4     | 9,4                        |                               | 25                   | 84                   | 40                   | 9,4                         |
|  | A1149XPL-9.5     | 9,5                        |                               | 25                   | 84                   | 40                   | 9,5                         |
|  | A1149XPL-3/8IN   | 9,525                      | 3/8"                          | 27                   | 89                   | 43                   | 9,525                       |
|  | A1149XPL-LET.V   | 9,576                      | Let.V                         | 27                   | 89                   | 43                   | 9,576                       |
|  | A1149XPL-9.6     | 9,6                        |                               | 27                   | 89                   | 43                   | 9,6                         |
|  | A1149XPL-9.7     | 9,7                        |                               | 27                   | 89                   | 43                   | 9,7                         |
|  | A1149XPL-9.8     | 9,8                        |                               | 27                   | 89                   | 43                   | 9,8                         |
|  | A1149XPL-LET.W   | 9,804                      | Let.W                         | 27                   | 89                   | 43                   | 9,804                       |
|  | A1149XPL-9.9     | 9,9                        |                               | 27                   | 89                   | 43                   | 9,9                         |
|  | A1149XPL-25/64IN | 9,922                      | 25/64"                        | 27                   | 89                   | 43                   | 9,922                       |
|  | A1149XPL-10      | 10                         |                               | 27                   | 89                   | 43                   | 10                          |
|  | A1149XPL-LET.X   | 10,084                     | Let.X                         | 27                   | 89                   | 43                   | 10,084                      |
|  | A1149XPL-10.2    | 10,2                       |                               | 27                   | 89                   | 43                   | 10,2                        |
|  | A1149XPL-LET.Y   | 10,262                     | Let.Y                         | 27                   | 89                   | 43                   | 10,262                      |
|  | A1149XPL-13/32IN | 10,319                     | 13/32"                        | 27                   | 89                   | 43                   | 10,319                      |
| A1149XPL-LET.Z   | 10,49            | Let.Z                      | 27                            | 89                   | 43                   | 10,49                |                             |
| A1149XPL-10.5  | 10,5             |                            | 27                            | 89                   | 43                   | 10,5                 |                             |
| A1149XPL-27/64IN   | 10,716           | 27/64"                     | 29                            | 95                   | 47                   | 10,716               |                             |
| A1149XPL-10.8  | 10,8             |                            | 29                            | 95                   | 47                   | 10,8                 |                             |
| A1149XPL-11  | 11               |                            | 29                            | 95                   | 47                   | 11                   |                             |
| A1149XPL-7/16IN  | 11,113           | 7/16"                      | 29                            | 95                   | 47                   | 11,113               |                             |
| A1149XPL-11.2  | 11,2             |                            | 29                            | 95                   | 47                   | 11,2                 |                             |
| A1149XPL-11.3  | 11,3             |                            | 29                            | 95                   | 47                   | 11,3                 |                             |
| A1149XPL-11.5  | 11,5             |                            | 29                            | 95                   | 47                   | 11,5                 |                             |
| A1149XPL-29/64IN   | 11,509           | 29/64"                     | 29                            | 95                   | 47                   | 11,509               |                             |
| A1149XPL-11.8  | 11,8             |                            | 29                            | 95                   | 47                   | 11,8                 |                             |
| A1149XPL-15/32IN   | 11,906           | 15/32"                     | 37                            | 102                  | 51                   | 11,906               |                             |
| A1149XPL-12  | 12               |                            | 37                            | 102                  | 51                   | 12                   |                             |
| A1149XPL-31/64IN   | 12,303           | 31/64"                     | 37                            | 102                  | 51                   | 12,303               |                             |
| A1149XPL-12.5  | 12,5             |                            | 37                            | 102                  | 51                   | 12,5                 |                             |
| A1149XPL-1/2IN   | 12,7             | 1/2"                       | 37                            | 102                  | 51                   | 12,7                 |                             |
| A1149XPL-12.8  | 12,8             |                            | 37                            | 102                  | 51                   | 12,8                 |                             |
| A1149XPL-13  | 13               |                            | 37                            | 102                  | 51                   | 13                   |                             |
| A1149XPL-33/64IN   | 13,097           | 33/64"                     | 37                            | 102                  | 51                   | 13,097               |                             |
| A1149XPL-13.1  | 13,1             |                            | 37                            | 102                  | 51                   | 13,1                 |                             |
| A1149XPL-13.3  | 13,3             |                            | 40                            | 107                  | 54                   | 13,3                 |                             |
| A1149XPL-17/32IN   | 13,494           | 17/32"                     | 40                            | 107                  | 54                   | 13,494               |                             |
| A1149XPL-13.5  | 13,5             |                            | 40                            | 107                  | 54                   | 13,5                 |                             |
| A1149XPL-35/64IN   | 13,891           | 35/64"                     | 40                            | 107                  | 54                   | 13,891               |                             |

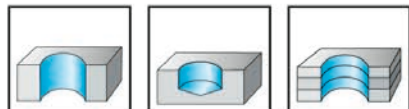
|  | Désignation<br>XPL | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|--------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1149XPL-14        | 14                         |                               | 40                   | 107                  | 54                   | 14                          |
|  | A1149XPL-9/16IN    | 14,288                     | 9/16"                         | 41                   | 111                  | 56                   | 14,288                      |
|  | A1149XPL-14.5      | 14,5                       |                               | 41                   | 111                  | 56                   | 14,5                        |
|  | A1149XPL-37/64IN   | 14,684                     | 37/64"                        | 41                   | 111                  | 56                   | 14,684                      |
|  | A1149XPL-15        | 15                         |                               | 41                   | 111                  | 56                   | 15                          |
|  | A1149XPL-19/32IN   | 15,081                     | 19/32"                        | 42                   | 115                  | 58                   | 15,081                      |
|  | A1149XPL-15.1      | 15,1                       |                               | 42                   | 115                  | 58                   | 15,1                        |
|  | A1149XPL-15.3      | 15,3                       |                               | 42                   | 115                  | 58                   | 15,3                        |
|  | A1149XPL-39/64IN   | 15,478                     | 39/64"                        | 42                   | 115                  | 58                   | 15,478                      |
|  | A1149XPL-15.5      | 15,5                       |                               | 42                   | 115                  | 58                   | 15,5                        |
|  | A1149XPL-5/8IN     | 15,875                     | 5/8"                          | 42                   | 115                  | 58                   | 15,875                      |
|  | A1149XPL-16        | 16                         |                               | 42                   | 115                  | 58                   | 16                          |
|  | A1149XPL-41/64IN   | 16,272                     | 41/64"                        | 43                   | 119                  | 60                   | 16,272                      |
|  | A1149XPL-16.5      | 16,5                       |                               | 43                   | 119                  | 60                   | 16,5                        |
|  | A1149XPL-21/32IN   | 16,669                     | 21/32"                        | 43                   | 119                  | 60                   | 16,669                      |
|  | A1149XPL-17        | 17                         |                               | 43                   | 119                  | 60                   | 17                          |
|  | A1149XPL-43/64IN   | 17,066                     | 43/64"                        | 44                   | 123                  | 62                   | 17,066                      |
|  | A1149XPL-11/16IN   | 17,463                     | 11/16"                        | 44                   | 123                  | 62                   | 17,463                      |
|  | A1149XPL-17.5      | 17,5                       |                               | 44                   | 123                  | 62                   | 17,5                        |
|  | A1149XPL-45/64IN   | 17,859                     | 45/64"                        | 44                   | 123                  | 62                   | 17,859                      |
|  | A1149XPL-18        | 18                         |                               | 44                   | 123                  | 62                   | 18                          |
|  | A1149XPL-23/32IN   | 18,256                     | 23/32"                        | 45                   | 127                  | 64                   | 18,256                      |
|  | A1149XPL-18.5      | 18,5                       |                               | 45                   | 127                  | 64                   | 18,5                        |
|  | A1149XPL-47/64IN   | 18,653                     | 47/64"                        | 45                   | 127                  | 64                   | 18,653                      |
|  | A1149XPL-19        | 19                         |                               | 45                   | 127                  | 64                   | 19                          |
|  | A1149XPL-3/4IN     | 19,05                      | 3/4"                          | 46                   | 131                  | 66                   | 19,05                       |
|  | A1149XPL-19.5      | 19,5                       |                               | 46                   | 131                  | 66                   | 19,5                        |
|  | A1149XPL-20        | 20                         |                               | 46                   | 131                  | 66                   | 20                          |

# Foret hélicoïdal HSS-E extra-court A1148

UFL®

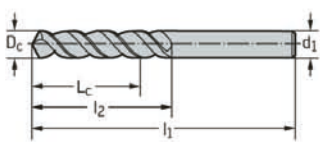


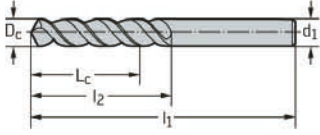
- Sans traitement jusqu'à 1,9 mm



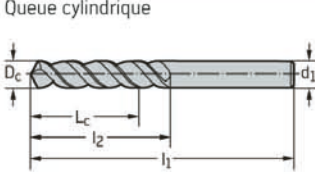
|                 |    |    |    |    |    |   |   |
|-----------------|----|----|----|----|----|---|---|
|                 | P  | M  | K  | N  | S  | H | O |
| sans revêtement | ●● | ●● | ●● | ●● | ●● |   | ● |

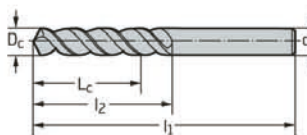
|              | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|              | A1148-1                     | 1                          |                               | 4                    | 26                   | 6                    | 1                           |
|              | A1148-NO60                  | 1,016                      | No. 60                        | 4                    | 26                   | 6                    | 1,016                       |
|              | A1148-NO59                  | 1,041                      | No. 59                        | 4                    | 26                   | 6                    | 1,041                       |
|              | A1148-NO58                  | 1,067                      | No. 58                        | 5                    | 28                   | 7                    | 1,067                       |
|              | A1148-NO57                  | 1,092                      | No. 57                        | 5                    | 28                   | 7                    | 1,092                       |
|              | A1148-1.1                   | 1.1                        |                               | 5                    | 28                   | 7                    | 1.1                         |
|              | A1148-NO56                  | 1,181                      | No. 56                        | 6                    | 30                   | 8                    | 1,181                       |
|              | A1148-3/64IN                | 1,191                      | 3/64"                         | 6                    | 30                   | 8                    | 1,191                       |
|              | A1148-1.2                   | 1.2                        |                               | 6                    | 30                   | 8                    | 1.2                         |
|              | A1148-1.3                   | 1.3                        |                               | 6                    | 30                   | 8                    | 1.3                         |
|              | A1148-NO55                  | 1,321                      | No. 55                        | 6                    | 32                   | 9                    | 1,321                       |
|              | A1148-NO54                  | 1,397                      | No. 54                        | 6                    | 32                   | 9                    | 1,397                       |
|              | A1148-1.4                   | 1.4                        |                               | 6                    | 32                   | 9                    | 1.4                         |
|              | A1148-1.5                   | 1.5                        |                               | 6                    | 32                   | 9                    | 1.5                         |
|              | A1148-NO53                  | 1,511                      | No. 53                        | 7                    | 34                   | 10                   | 1,511                       |
|              | A1148-1/16IN                | 1,588                      | 1/16"                         | 7                    | 34                   | 10                   | 1,588                       |
|              | A1148-1.6                   | 1.6                        |                               | 7                    | 34                   | 10                   | 1.6                         |
|              | A1148-NO52                  | 1,613                      | No. 52                        | 7                    | 34                   | 10                   | 1,613                       |
|              | A1148-1.7                   | 1.7                        |                               | 7                    | 34                   | 10                   | 1.7                         |
|              | A1148-NO51                  | 1,702                      | No. 51                        | 8                    | 36                   | 11                   | 1,702                       |
|              | A1148-NO50                  | 1,778                      | No. 50                        | 8                    | 36                   | 11                   | 1,778                       |
|              | A1148-1.8                   | 1.8                        |                               | 8                    | 36                   | 11                   | 1.8                         |
|              | A1148-NO49                  | 1,854                      | No. 49                        | 8                    | 36                   | 11                   | 1,854                       |
|              | A1148-1.9                   | 1.9                        |                               | 8                    | 36                   | 11                   | 1.9                         |
|              | A1148-NO48                  | 1,93                       | No. 48                        | 8                    | 38                   | 12                   | 1,93                        |
|              | A1148-5/64IN                | 1,984                      | 5/64"                         | 8                    | 38                   | 12                   | 1,984                       |
|              | A1148-NO47                  | 1,994                      | No. 47                        | 8                    | 38                   | 12                   | 1,994                       |
|              | A1148-2                     | 2                          |                               | 8                    | 38                   | 12                   | 2                           |
|              | A1148-NO46                  | 2,057                      | No. 46                        | 8                    | 38                   | 12                   | 2,057                       |
|              | A1148-NO45                  | 2,083                      | No. 45                        | 8                    | 38                   | 12                   | 2,083                       |
|              | A1148-2.1                   | 2.1                        |                               | 8                    | 38                   | 12                   | 2.1                         |
|              | A1148-NO44                  | 2,184                      | No. 44                        | 9                    | 40                   | 13                   | 2,184                       |
| A1148-2.2    | 2.2                         |                            | 9                             | 40                   | 13                   | 2.2                  |                             |
| A1148-NO43   | 2,261                       | No. 43                     | 9                             | 40                   | 13                   | 2,261                |                             |
| A1148-2.3    | 2.3                         |                            | 9                             | 40                   | 13                   | 2.3                  |                             |
| A1148-NO42   | 2,375                       | No. 42                     | 10                            | 43                   | 14                   | 2,375                |                             |
| A1148-3/32IN | 2,381                       | 3/32"                      | 10                            | 43                   | 14                   | 2,381                |                             |
| A1148-2.4    | 2.4                         |                            | 10                            | 43                   | 14                   | 2.4                  |                             |
| A1148-NO41   | 2,438                       | No. 41                     | 10                            | 43                   | 14                   | 2,438                |                             |
| A1148-NO40   | 2,489                       | No. 40                     | 10                            | 43                   | 14                   | 2,489                |                             |
| A1148-2.5    | 2.5                         |                            | 10                            | 43                   | 14                   | 2.5                  |                             |
| A1148-NO39   | 2,527                       | No. 39                     | 10                            | 43                   | 14                   | 2,527                |                             |
| A1148-NO38   | 2,578                       | No. 38                     | 10                            | 43                   | 14                   | 2,578                |                             |
| A1148-2.6    | 2.6                         |                            | 10                            | 43                   | 14                   | 2.6                  |                             |
| A1148-NO37   | 2,642                       | No. 37                     | 10                            | 43                   | 14                   | 2,642                |                             |
| A1148-2.7    | 2.7                         |                            | 11                            | 46                   | 16                   | 2.7                  |                             |
| A1148-NO36   | 2,705                       | No. 36                     | 11                            | 46                   | 16                   | 2,705                |                             |
| A1148-7/64IN | 2,778                       | 7/64"                      | 11                            | 46                   | 16                   | 2,778                |                             |

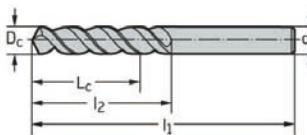
|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1148-N035                  | 2,794                      | No. 35                        | 11                   | 46                   | 16                   | 2,794                       |
|  | A1148-2.8                   | 2,8                        |                               | 11                   | 46                   | 16                   | 2,8                         |
|  | A1148-N034                  | 2,819                      | No. 34                        | 11                   | 46                   | 16                   | 2,819                       |
|  | A1148-N033                  | 2,87                       | No. 33                        | 11                   | 46                   | 16                   | 2,87                        |
|  | A1148-2.9                   | 2,9                        |                               | 11                   | 46                   | 16                   | 2,9                         |
|  | A1148-N032                  | 2,946                      | No. 32                        | 11                   | 46                   | 16                   | 2,946                       |
|  | A1148-3                     | 3                          |                               | 11                   | 46                   | 16                   | 3                           |
|  | A1148-N031                  | 3,048                      | No. 31                        | 12                   | 49                   | 18                   | 3,048                       |
|  | A1148-3.1                   | 3,1                        |                               | 12                   | 49                   | 18                   | 3,1                         |
|  | A1148-1/8IN                 | 3,175                      | 1/8"                          | 12                   | 49                   | 18                   | 3,175                       |
|  | A1148-3.2                   | 3,2                        |                               | 12                   | 49                   | 18                   | 3,2                         |
|  | A1148-N030                  | 3,264                      | No. 30                        | 12                   | 49                   | 18                   | 3,264                       |
|  | A1148-3.3                   | 3,3                        |                               | 12                   | 49                   | 18                   | 3,3                         |
|  | A1148-3.4                   | 3,4                        |                               | 14                   | 52                   | 20                   | 3,4                         |
|  | A1148-N029                  | 3,454                      | No. 29                        | 14                   | 52                   | 20                   | 3,454                       |
|  | A1148-3.5                   | 3,5                        |                               | 14                   | 52                   | 20                   | 3,5                         |
|  | A1148-N028                  | 3,569                      | No. 28                        | 14                   | 52                   | 20                   | 3,569                       |
|  | A1148-9/64IN                | 3,572                      | 9/64"                         | 14                   | 52                   | 20                   | 3,572                       |
|  | A1148-3.6                   | 3,6                        |                               | 14                   | 52                   | 20                   | 3,6                         |
|  | A1148-N027                  | 3,658                      | No. 27                        | 14                   | 52                   | 20                   | 3,658                       |
|  | A1148-3.7                   | 3,7                        |                               | 14                   | 52                   | 20                   | 3,7                         |
|  | A1148-N026                  | 3,734                      | No. 26                        | 14                   | 52                   | 20                   | 3,734                       |
|  | A1148-N025                  | 3,797                      | No. 25                        | 15                   | 55                   | 22                   | 3,797                       |
|  | A1148-3.8                   | 3,8                        |                               | 15                   | 55                   | 22                   | 3,8                         |
|  | A1148-N024                  | 3,861                      | No. 24                        | 15                   | 55                   | 22                   | 3,861                       |
|  | A1148-3.9                   | 3,9                        |                               | 15                   | 55                   | 22                   | 3,9                         |
|  | A1148-N023                  | 3,912                      | No. 23                        | 15                   | 55                   | 22                   | 3,912                       |
|  | A1148-5/32IN                | 3,969                      | 5/32"                         | 15                   | 55                   | 22                   | 3,969                       |
|  | A1148-N022                  | 3,988                      | No. 22                        | 15                   | 55                   | 22                   | 3,988                       |
|  | A1148-4                     | 4                          |                               | 15                   | 55                   | 22                   | 4                           |
|  | A1148-N021                  | 4,039                      | No. 21                        | 15                   | 55                   | 22                   | 4,039                       |
|  | A1148-N020                  | 4,089                      | No. 20                        | 15                   | 55                   | 22                   | 4,089                       |
|  | A1148-4.1                   | 4,1                        |                               | 15                   | 55                   | 22                   | 4,1                         |
|  | A1148-4.2                   | 4,2                        |                               | 15                   | 55                   | 22                   | 4,2                         |
|  | A1148-N019                  | 4,216                      | No. 19                        | 15                   | 55                   | 22                   | 4,216                       |
|  | A1148-4.3                   | 4,3                        |                               | 16                   | 58                   | 24                   | 4,3                         |
|  | A1148-N018                  | 4,305                      | No. 18                        | 16                   | 58                   | 24                   | 4,305                       |
|  | A1148-11/64IN               | 4,366                      | 11/64"                        | 16                   | 58                   | 24                   | 4,366                       |
|  | A1148-N017                  | 4,394                      | No. 17                        | 16                   | 58                   | 24                   | 4,394                       |
|  | A1148-4.4                   | 4,4                        |                               | 16                   | 58                   | 24                   | 4,4                         |
|  | A1148-N016                  | 4,496                      | No. 16                        | 16                   | 58                   | 24                   | 4,496                       |
|  | A1148-4.5                   | 4,5                        |                               | 16                   | 58                   | 24                   | 4,5                         |
|  | A1148-N015                  | 4,572                      | No. 15                        | 16                   | 58                   | 24                   | 4,572                       |
|  | A1148-4.6                   | 4,6                        |                               | 16                   | 58                   | 24                   | 4,6                         |
|  | A1148-N014                  | 4,623                      | No. 14                        | 16                   | 58                   | 24                   | 4,623                       |
|  | A1148-N013                  | 4,699                      | No. 13                        | 16                   | 58                   | 24                   | 4,699                       |
|  | A1148-4.7                   | 4,7                        |                               | 16                   | 58                   | 24                   | 4,7                         |
|  | A1148-3/16IN                | 4,763                      | 3/16"                         | 18                   | 62                   | 26                   | 4,763                       |
|  | A1148-4.8                   | 4,8                        |                               | 18                   | 62                   | 26                   | 4,8                         |
|  | A1148-N012                  | 4,801                      | No. 12                        | 18                   | 62                   | 26                   | 4,801                       |
|  | A1148-N011                  | 4,851                      | No. 11                        | 18                   | 62                   | 26                   | 4,851                       |
|  | A1148-4.9                   | 4,9                        |                               | 18                   | 62                   | 26                   | 4,9                         |
|  | A1148-N010                  | 4,915                      | No. 10                        | 18                   | 62                   | 26                   | 4,915                       |
|  | A1148-N09                   | 4,978                      | No. 09                        | 18                   | 62                   | 26                   | 4,978                       |
|  | A1148-5                     | 5                          |                               | 18                   | 62                   | 26                   | 5                           |
|  | A1148-N08                   | 5,055                      | No. 08                        | 18                   | 62                   | 26                   | 5,055                       |
|  | A1148-5.1                   | 5,1                        |                               | 18                   | 62                   | 26                   | 5,1                         |
|  | A1148-N07                   | 5,105                      | No. 07                        | 18                   | 62                   | 26                   | 5,105                       |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1148-13/64IN               | 5,159                      | 13/64"                        | 18                   | 62                   | 26                   | 5,159                       |
|  | A1148-NO6                   | 5,182                      | No. 06                        | 18                   | 62                   | 26                   | 5,182                       |
|  | A1148-5.2                   | 5,2                        |                               | 18                   | 62                   | 26                   | 5,2                         |
|  | A1148-NO5                   | 5,22                       | No. 05                        | 18                   | 62                   | 26                   | 5,22                        |
|  | A1148-5.3                   | 5,3                        |                               | 18                   | 62                   | 26                   | 5,3                         |
|  | A1148-NO4                   | 5,309                      | No. 04                        | 19                   | 66                   | 28                   | 5,309                       |
|  | A1148-5.4                   | 5,4                        |                               | 19                   | 66                   | 28                   | 5,4                         |
|  | A1148-NO3                   | 5,41                       | No. 03                        | 19                   | 66                   | 28                   | 5,41                        |
|  | A1148-5.5                   | 5,5                        |                               | 19                   | 66                   | 28                   | 5,5                         |
|  | A1148-7/32IN                | 5,556                      | 7/32"                         | 19                   | 66                   | 28                   | 5,556                       |
|  | A1148-5.6                   | 5,6                        |                               | 19                   | 66                   | 28                   | 5,6                         |
|  | A1148-NO2                   | 5,613                      | No. 02                        | 19                   | 66                   | 28                   | 5,613                       |
|  | A1148-5.7                   | 5,7                        |                               | 19                   | 66                   | 28                   | 5,7                         |
|  | A1148-NO1                   | 5,791                      | No. 01                        | 19                   | 66                   | 28                   | 5,791                       |
|  | A1148-5.8                   | 5,8                        |                               | 19                   | 66                   | 28                   | 5,8                         |
|  | A1148-5.9                   | 5,9                        |                               | 19                   | 66                   | 28                   | 5,9                         |
|  | A1148-LET.A                 | 5,944                      | Let.A                         | 19                   | 66                   | 28                   | 5,944                       |
|  | A1148-15/64IN               | 5,953                      | 15/64"                        | 19                   | 66                   | 28                   | 5,953                       |
|  | A1148-6                     | 6                          |                               | 19                   | 66                   | 28                   | 6                           |
|  | A1148-LET.B                 | 6,045                      | Let.B                         | 20                   | 70                   | 31                   | 6,045                       |
|  | A1148-6.1                   | 6,1                        |                               | 20                   | 70                   | 31                   | 6,1                         |
|  | A1148-LET.C                 | 6,147                      | Let.C                         | 20                   | 70                   | 31                   | 6,147                       |
|  | A1148-6.2                   | 6,2                        |                               | 20                   | 70                   | 31                   | 6,2                         |
|  | A1148-LET.D                 | 6,248                      | Let.D                         | 20                   | 70                   | 31                   | 6,248                       |
|  | A1148-6.3                   | 6,3                        |                               | 20                   | 70                   | 31                   | 6,3                         |
|  | A1148-1/4IN                 | 6,35                       | 1/4"                          | 20                   | 70                   | 31                   | 6,35                        |
|  | A1148-6.4                   | 6,4                        |                               | 20                   | 70                   | 31                   | 6,4                         |
|  | A1148-6.5                   | 6,5                        |                               | 20                   | 70                   | 31                   | 6,5                         |
|  | A1148-LET.F                 | 6,528                      | Let.F                         | 20                   | 70                   | 31                   | 6,528                       |
|  | A1148-6.6                   | 6,6                        |                               | 20                   | 70                   | 31                   | 6,6                         |
|  | A1148-LET.G                 | 6,629                      | Let.G                         | 20                   | 70                   | 31                   | 6,629                       |
|  | A1148-6.7                   | 6,7                        |                               | 20                   | 70                   | 31                   | 6,7                         |
|  | A1148-17/64IN               | 6,747                      | 17/64"                        | 22                   | 74                   | 34                   | 6,747                       |
|  | A1148-LET.H                 | 6,756                      | Let.H                         | 22                   | 74                   | 34                   | 6,756                       |
|  | A1148-6.8                   | 6,8                        |                               | 22                   | 74                   | 34                   | 6,8                         |
|  | A1148-6.9                   | 6,9                        |                               | 22                   | 74                   | 34                   | 6,9                         |
|  | A1148-LET.I                 | 6,909                      | Let.I                         | 22                   | 74                   | 34                   | 6,909                       |
|  | A1148-7                     | 7                          |                               | 22                   | 74                   | 34                   | 7                           |
|  | A1148-LET.J                 | 7,036                      | Let.J                         | 22                   | 74                   | 34                   | 7,036                       |
|  | A1148-7.1                   | 7,1                        |                               | 22                   | 74                   | 34                   | 7,1                         |
|  | A1148-LET.K                 | 7,137                      | Let.K                         | 22                   | 74                   | 34                   | 7,137                       |
|  | A1148-9/32IN                | 7,144                      | 9/32"                         | 22                   | 74                   | 34                   | 7,144                       |
|  | A1148-7.2                   | 7,2                        |                               | 22                   | 74                   | 34                   | 7,2                         |
|  | A1148-7.3                   | 7,3                        |                               | 22                   | 74                   | 34                   | 7,3                         |
|  | A1148-LET.L                 | 7,366                      | Let.L                         | 22                   | 74                   | 34                   | 7,366                       |
|  | A1148-7.4                   | 7,4                        |                               | 22                   | 74                   | 34                   | 7,4                         |
|  | A1148-LET.M                 | 7,493                      | Let.M                         | 22                   | 74                   | 34                   | 7,493                       |
|  | A1148-7.5                   | 7,5                        |                               | 22                   | 74                   | 34                   | 7,5                         |
|  | A1148-19/64IN               | 7,541                      | 19/64"                        | 24                   | 79                   | 37                   | 7,541                       |
|  | A1148-7.6                   | 7,6                        |                               | 24                   | 79                   | 37                   | 7,6                         |
|  | A1148-LET.N                 | 7,671                      | Let.N                         | 24                   | 79                   | 37                   | 7,671                       |
|  | A1148-7.7                   | 7,7                        |                               | 24                   | 79                   | 37                   | 7,7                         |
|  | A1148-7.8                   | 7,8                        |                               | 24                   | 79                   | 37                   | 7,8                         |
|  | A1148-7.9                   | 7,9                        |                               | 24                   | 79                   | 37                   | 7,9                         |
|  | A1148-5/16IN                | 7,938                      | 5/16"                         | 24                   | 79                   | 37                   | 7,938                       |
|  | A1148-8                     | 8                          |                               | 24                   | 79                   | 37                   | 8                           |
|  | A1148-LET.O                 | 8,026                      | Let.O                         | 24                   | 79                   | 37                   | 8,026                       |
|  | A1148-8.1                   | 8,1                        |                               | 24                   | 79                   | 37                   | 8,1                         |
|  | A1148-8.2                   | 8,2                        |                               | 24                   | 79                   | 37                   | 8,2                         |
|  | A1148-LET.P                 | 8,204                      | Let.P                         | 24                   | 79                   | 37                   | 8,204                       |
|  | A1148-8.3                   | 8,3                        |                               | 24                   | 79                   | 37                   | 8,3                         |
|  | A1148-21/64IN               | 8,334                      | 21/64"                        | 24                   | 79                   | 37                   | 8,334                       |



|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1148-8.4                   | 8,4                        |                               | 24                   | 79                   | 37                   | 8,4                         |
|  | A1148-LET.Q                 | 8,433                      | Let.Q                         | 24                   | 79                   | 37                   | 8,433                       |
|  | A1148-8.5                   | 8,5                        |                               | 24                   | 79                   | 37                   | 8,5                         |
|  | A1148-8.6                   | 8,6                        |                               | 25                   | 84                   | 40                   | 8,6                         |
|  | A1148-LET.R                 | 8,611                      | Let.R                         | 25                   | 84                   | 40                   | 8,611                       |
|  | A1148-8.7                   | 8,7                        |                               | 25                   | 84                   | 40                   | 8,7                         |
|  | A1148-11/32IN               | 8,731                      | 11/32"                        | 25                   | 84                   | 40                   | 8,731                       |
|  | A1148-8.8                   | 8,8                        |                               | 25                   | 84                   | 40                   | 8,8                         |
|  | A1148-LET.S                 | 8,839                      | Let.S                         | 25                   | 84                   | 40                   | 8,839                       |
|  | A1148-8.9                   | 8,9                        |                               | 25                   | 84                   | 40                   | 8,9                         |
|  | A1148-9                     | 9                          |                               | 25                   | 84                   | 40                   | 9                           |
|  | A1148-LET.T                 | 9,093                      | Let.T                         | 25                   | 84                   | 40                   | 9,093                       |
|  | A1148-9.1                   | 9,1                        |                               | 25                   | 84                   | 40                   | 9,1                         |
|  | A1148-23/64IN               | 9,128                      | 23/64"                        | 25                   | 84                   | 40                   | 9,128                       |
|  | A1148-9.2                   | 9,2                        |                               | 25                   | 84                   | 40                   | 9,2                         |
|  | A1148-9.3                   | 9,3                        |                               | 25                   | 84                   | 40                   | 9,3                         |
|  | A1148-LET.U                 | 9,347                      | Let.U                         | 25                   | 84                   | 40                   | 9,347                       |
|  | A1148-9.4                   | 9,4                        |                               | 25                   | 84                   | 40                   | 9,4                         |
|  | A1148-9.5                   | 9,5                        |                               | 25                   | 84                   | 40                   | 9,5                         |
|  | A1148-3/8IN                 | 9,525                      | 3/8"                          | 27                   | 89                   | 43                   | 9,525                       |
|  | A1148-LET.V                 | 9,576                      | Let.V                         | 27                   | 89                   | 43                   | 9,576                       |
|  | A1148-9.6                   | 9,6                        |                               | 27                   | 89                   | 43                   | 9,6                         |
|  | A1148-9.7                   | 9,7                        |                               | 27                   | 89                   | 43                   | 9,7                         |
|  | A1148-9.8                   | 9,8                        |                               | 27                   | 89                   | 43                   | 9,8                         |
|  | A1148-LET.W                 | 9,804                      | Let.W                         | 27                   | 89                   | 43                   | 9,804                       |
|  | A1148-9.9                   | 9,9                        |                               | 27                   | 89                   | 43                   | 9,9                         |
|  | A1148-25/64IN               | 9,922                      | 25/64"                        | 27                   | 89                   | 43                   | 9,922                       |
|  | A1148-10                    | 10                         |                               | 27                   | 89                   | 43                   | 10                          |
|  | A1148-LET.X                 | 10,084                     | Let.X                         | 27                   | 89                   | 43                   | 10,084                      |
|  | A1148-10.2                  | 10,2                       |                               | 27                   | 89                   | 43                   | 10,2                        |
|  | A1148-LET.Y                 | 10,262                     | Let.Y                         | 27                   | 89                   | 43                   | 10,262                      |
|  | A1148-13/32IN               | 10,319                     | 13/32"                        | 27                   | 89                   | 43                   | 10,319                      |
|  | A1148-LET.Z                 | 10,49                      | Let.Z                         | 27                   | 89                   | 43                   | 10,49                       |
|  | A1148-10.5                  | 10,5                       |                               | 27                   | 89                   | 43                   | 10,5                        |
|  | A1148-27/64IN               | 10,716                     | 27/64"                        | 29                   | 95                   | 47                   | 10,716                      |
|  | A1148-10.8                  | 10,8                       |                               | 29                   | 95                   | 47                   | 10,8                        |
|  | A1148-11                    | 11                         |                               | 29                   | 95                   | 47                   | 11                          |
|  | A1148-7/16IN                | 11,113                     | 7/16"                         | 29                   | 95                   | 47                   | 11,113                      |
|  | A1148-11.2                  | 11,2                       |                               | 29                   | 95                   | 47                   | 11,2                        |
|  | A1148-11.5                  | 11,5                       |                               | 29                   | 95                   | 47                   | 11,5                        |
|  | A1148-29/64IN               | 11,509                     | 29/64"                        | 29                   | 95                   | 47                   | 11,509                      |
|  | A1148-11.8                  | 11,8                       |                               | 29                   | 95                   | 47                   | 11,8                        |
|  | A1148-15/32IN               | 11,906                     | 15/32"                        | 37                   | 102                  | 51                   | 11,906                      |
|  | A1148-12                    | 12                         |                               | 37                   | 102                  | 51                   | 12                          |
|  | A1148-31/64IN               | 12,303                     | 31/64"                        | 37                   | 102                  | 51                   | 12,303                      |
|  | A1148-12.5                  | 12,5                       |                               | 37                   | 102                  | 51                   | 12,5                        |
|  | A1148-1/2IN                 | 12,7                       | 1/2"                          | 37                   | 102                  | 51                   | 12,7                        |
|  | A1148-12.8                  | 12,8                       |                               | 37                   | 102                  | 51                   | 12,8                        |
|  | A1148-13                    | 13                         |                               | 37                   | 102                  | 51                   | 13                          |
|  | A1148-33/64IN               | 13,097                     | 33/64"                        | 37                   | 102                  | 51                   | 13,097                      |
|  | A1148-13.3                  | 13,3                       |                               | 40                   | 107                  | 54                   | 13,3                        |
|  | A1148-17/32IN               | 13,494                     | 17/32"                        | 40                   | 107                  | 54                   | 13,494                      |
|  | A1148-13.5                  | 13,5                       |                               | 40                   | 107                  | 54                   | 13,5                        |
|  | A1148-35/64IN               | 13,891                     | 35/64"                        | 40                   | 107                  | 54                   | 13,891                      |
|  | A1148-14                    | 14                         |                               | 40                   | 107                  | 54                   | 14                          |
|  | A1148-9/16IN                | 14,288                     | 9/16"                         | 41                   | 111                  | 56                   | 14,288                      |
|  | A1148-14.5                  | 14,5                       |                               | 41                   | 111                  | 56                   | 14,5                        |
|  | A1148-37/64IN               | 14,684                     | 37/64"                        | 41                   | 111                  | 56                   | 14,684                      |

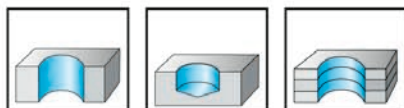
|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1148-8.4                   | 8,4                        |                               | 24                   | 79                   | 37                   | 8,4                         |
|  | A1148-LET.Q                 | 8,433                      | Let.Q                         | 24                   | 79                   | 37                   | 8,433                       |
|  | A1148-8.5                   | 8,5                        |                               | 24                   | 79                   | 37                   | 8,5                         |
|  | A1148-8.6                   | 8,6                        |                               | 25                   | 84                   | 40                   | 8,6                         |
|  | A1148-LET.R                 | 8,611                      | Let.R                         | 25                   | 84                   | 40                   | 8,611                       |
|  | A1148-8.7                   | 8,7                        |                               | 25                   | 84                   | 40                   | 8,7                         |
|  | A1148-11/32IN               | 8,731                      | 11/32"                        | 25                   | 84                   | 40                   | 8,731                       |
|  | A1148-8.8                   | 8,8                        |                               | 25                   | 84                   | 40                   | 8,8                         |
|  | A1148-LET.S                 | 8,839                      | Let.S                         | 25                   | 84                   | 40                   | 8,839                       |
|  | A1148-8.9                   | 8,9                        |                               | 25                   | 84                   | 40                   | 8,9                         |
|  | A1148-9                     | 9                          |                               | 25                   | 84                   | 40                   | 9                           |
|  | A1148-LET.T                 | 9,093                      | Let.T                         | 25                   | 84                   | 40                   | 9,093                       |
|  | A1148-9.1                   | 9,1                        |                               | 25                   | 84                   | 40                   | 9,1                         |
|  | A1148-23/64IN               | 9,128                      | 23/64"                        | 25                   | 84                   | 40                   | 9,128                       |
|  | A1148-9.2                   | 9,2                        |                               | 25                   | 84                   | 40                   | 9,2                         |
|  | A1148-9.3                   | 9,3                        |                               | 25                   | 84                   | 40                   | 9,3                         |
|  | A1148-LET.U                 | 9,347                      | Let.U                         | 25                   | 84                   | 40                   | 9,347                       |
|  | A1148-9.4                   | 9,4                        |                               | 25                   | 84                   | 40                   | 9,4                         |
|  | A1148-9.5                   | 9,5                        |                               | 25                   | 84                   | 40                   | 9,5                         |
|  | A1148-3/8IN                 | 9,525                      | 3/8"                          | 27                   | 89                   | 43                   | 9,525                       |
|  | A1148-LET.V                 | 9,576                      | Let.V                         | 27                   | 89                   | 43                   | 9,576                       |
|  | A1148-9.6                   | 9,6                        |                               | 27                   | 89                   | 43                   | 9,6                         |
|  | A1148-9.7                   | 9,7                        |                               | 27                   | 89                   | 43                   | 9,7                         |
|  | A1148-9.8                   | 9,8                        |                               | 27                   | 89                   | 43                   | 9,8                         |
|  | A1148-LET.W                 | 9,804                      | Let.W                         | 27                   | 89                   | 43                   | 9,804                       |
|  | A1148-9.9                   | 9,9                        |                               | 27                   | 89                   | 43                   | 9,9                         |
|  | A1148-25/64IN               | 9,922                      | 25/64"                        | 27                   | 89                   | 43                   | 9,922                       |
|  | A1148-10                    | 10                         |                               | 27                   | 89                   | 43                   | 10                          |
|  | A1148-LET.X                 | 10,084                     | Let.X                         | 27                   | 89                   | 43                   | 10,084                      |
|  | A1148-10.2                  | 10,2                       |                               | 27                   | 89                   | 43                   | 10,2                        |
|  | A1148-LET.Y                 | 10,262                     | Let.Y                         | 27                   | 89                   | 43                   | 10,262                      |
|  | A1148-13/32IN               | 10,319                     | 13/32"                        | 27                   | 89                   | 43                   | 10,319                      |
|  | A1148-LET.Z                 | 10,49                      | Let.Z                         | 27                   | 89                   | 43                   | 10,49                       |
|  | A1148-10.5                  | 10,5                       |                               | 27                   | 89                   | 43                   | 10,5                        |
|  | A1148-27/64IN               | 10,716                     | 27/64"                        | 29                   | 95                   | 47                   | 10,716                      |
|  | A1148-10.8                  | 10,8                       |                               | 29                   | 95                   | 47                   | 10,8                        |
|  | A1148-11                    | 11                         |                               | 29                   | 95                   | 47                   | 11                          |
|  | A1148-7/16IN                | 11,113                     | 7/16"                         | 29                   | 95                   | 47                   | 11,113                      |
|  | A1148-11.2                  | 11,2                       |                               | 29                   | 95                   | 47                   | 11,2                        |
|  | A1148-11.5                  | 11,5                       |                               | 29                   | 95                   | 47                   | 11,5                        |
|  | A1148-29/64IN               | 11,509                     | 29/64"                        | 29                   | 95                   | 47                   | 11,509                      |
|  | A1148-11.8                  | 11,8                       |                               | 29                   | 95                   | 47                   | 11,8                        |
|  | A1148-15/32IN               | 11,906                     | 15/32"                        | 37                   | 102                  | 51                   | 11,906                      |
|  | A1148-12                    | 12                         |                               | 37                   | 102                  | 51                   | 12                          |
|  | A1148-31/64IN               | 12,303                     | 31/64"                        | 37                   | 102                  | 51                   | 12,303                      |
|  | A1148-12.5                  | 12,5                       |                               | 37                   | 102                  | 51                   | 12,5                        |
|  | A1148-1/2IN                 | 12,7                       | 1/2"                          | 37                   | 102                  | 51                   | 12,7                        |
|  | A1148-12.8                  | 12,8                       |                               | 37                   | 102                  | 51                   | 12,8                        |
|  | A1148-13                    | 13                         |                               | 37                   | 102                  | 51                   | 13                          |
|  | A1148-33/64IN               | 13,097                     | 33/64"                        | 37                   | 102                  | 51                   | 13,097                      |
|  | A1148-13.3                  | 13,3                       |                               | 40                   | 107                  | 54                   | 13,3                        |
|  | A1148-17/32IN               | 13,494                     | 17/32"                        | 40                   | 107                  | 54                   | 13,494                      |
|  | A1148-13.5                  | 13,5                       |                               | 40                   | 107                  | 54                   | 13,5                        |
|  | A1148-35/64IN               | 13,891                     | 35/64"                        | 40                   | 107                  | 54                   | 13,891                      |
|  | A1148-14                    | 14                         |                               | 40                   | 107                  | 54                   | 14                          |
|  | A1148-9/16IN                | 14,288                     | 9/16"                         | 41                   | 111                  | 56                   | 14,288                      |
|  | A1148-14.5                  | 14,5                       |                               | 41                   | 111                  | 56                   | 14,5                        |
|  | A1148-37/64IN               | 14,684                     | 37/64"                        | 41                   | 111                  | 56                   | 14,684                      |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1148-15                    | 15                         |                               | 41                   | 111                  | 56                   | 15                          |
|  | A1148-19/32IN               | 15,081                     | 19/32"                        | 42                   | 115                  | 58                   | 15,081                      |
|  | A1148-15.3                  | 15.3                       |                               | 42                   | 115                  | 58                   | 15.3                        |
|  | A1148-39/64IN               | 15,478                     | 39/64"                        | 42                   | 115                  | 58                   | 15,478                      |
|  | A1148-15.5                  | 15.5                       |                               | 42                   | 115                  | 58                   | 15.5                        |
|  | A1148-5/8IN                 | 15,875                     | 5/8"                          | 42                   | 115                  | 58                   | 15,875                      |
|  | A1148-16                    | 16                         |                               | 42                   | 115                  | 58                   | 16                          |
|  | A1148-41/64IN               | 16,272                     | 41/64"                        | 43                   | 119                  | 60                   | 16,272                      |
|  | A1148-16.5                  | 16.5                       |                               | 43                   | 119                  | 60                   | 16.5                        |
|  | A1148-21/32IN               | 16,669                     | 21/32"                        | 43                   | 119                  | 60                   | 16,669                      |
|  | A1148-17                    | 17                         |                               | 43                   | 119                  | 60                   | 17                          |
|  | A1148-43/64IN               | 17,066                     | 43/64"                        | 44                   | 123                  | 62                   | 17,066                      |
|  | A1148-11/16IN               | 17,463                     | 11/16"                        | 44                   | 123                  | 62                   | 17,463                      |
|  | A1148-17.5                  | 17.5                       |                               | 44                   | 123                  | 62                   | 17.5                        |
|  | A1148-45/64IN               | 17,859                     | 45/64"                        | 44                   | 123                  | 62                   | 17,859                      |
|  | A1148-18                    | 18                         |                               | 44                   | 123                  | 62                   | 18                          |
|  | A1148-23/32IN               | 18,256                     | 23/32"                        | 45                   | 127                  | 64                   | 18,256                      |
|  | A1148-18.5                  | 18.5                       |                               | 45                   | 127                  | 64                   | 18.5                        |
|  | A1148-47/64IN               | 18,653                     | 47/64"                        | 45                   | 127                  | 64                   | 18,653                      |
|  | A1148-19                    | 19                         |                               | 45                   | 127                  | 64                   | 19                          |
|  | A1148-3/4IN                 | 19,05                      | 3/4"                          | 46                   | 131                  | 66                   | 19,05                       |
|  | A1148-19.5                  | 19.5                       |                               | 46                   | 131                  | 66                   | 19.5                        |
|  | A1148-20                    | 20                         |                               | 46                   | 131                  | 66                   | 20                          |

# Micro-forets en HSS-E A3143

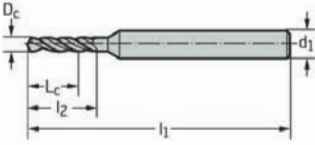


- Type ESU



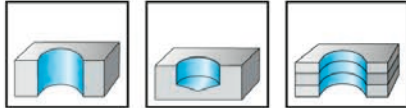
|                 |    |   |    |    |    |   |   |
|-----------------|----|---|----|----|----|---|---|
|                 | P  | M | K  | N  | S  | H | O |
| sans revêtement | ●● | ● | ●● | ●● | ●● |   | ● |

|  | Désignation sans revêtement | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |   |
|--|-----------------------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|---|
|  | Queue cylindrique           | A3143-0.05                      | 0,05                 | 0,2                  | 25                   | 0,3                        | 1 |
|  |                             | A3143-0.06                      | 0,06                 | 0,2                  | 25                   | 0,3                        | 1 |
|  |                             | A3143-0.07                      | 0,07                 | 0,2                  | 25                   | 0,4                        | 1 |
|  |                             | A3143-0.08                      | 0,08                 | 0,2                  | 25                   | 0,4                        | 1 |
|  |                             | A3143-0.09                      | 0,09                 | 0,2                  | 25                   | 0,4                        | 1 |
|  |                             | A3143-0.1                       | 0,1                  | 0,3                  | 25                   | 0,5                        | 1 |
|  |                             | A3143-0.11                      | 0,11                 | 0,3                  | 25                   | 0,5                        | 1 |
|  |                             | A3143-0.12                      | 0,12                 | 0,3                  | 25                   | 0,5                        | 1 |
|  |                             | A3143-0.13                      | 0,13                 | 0,5                  | 25                   | 0,8                        | 1 |
|  |                             | A3143-0.14                      | 0,14                 | 0,5                  | 25                   | 0,8                        | 1 |
|  |                             | A3143-0.15                      | 0,15                 | 0,5                  | 25                   | 0,8                        | 1 |
|  |                             | A3143-0.16                      | 0,16                 | 0,8                  | 25                   | 1,1                        | 1 |
|  |                             | A3143-0.17                      | 0,17                 | 0,8                  | 25                   | 1,1                        | 1 |
|  |                             | A3143-0.18                      | 0,18                 | 0,8                  | 25                   | 1,1                        | 1 |
|  |                             | A3143-0.19                      | 0,19                 | 0,8                  | 25                   | 1,1                        | 1 |
|  |                             | A3143-0.2                       | 0,2                  | 1,1                  | 25                   | 1,5                        | 1 |
|  |                             | A3143-0.21                      | 0,21                 | 1,1                  | 25                   | 1,5                        | 1 |
|  |                             | A3143-0.22                      | 0,22                 | 1,1                  | 25                   | 1,5                        | 1 |
|  |                             | A3143-0.23                      | 0,23                 | 1,1                  | 25                   | 1,5                        | 1 |
|  |                             | A3143-0.24                      | 0,24                 | 1,1                  | 25                   | 1,5                        | 1 |
|  |                             | A3143-0.25                      | 0,25                 | 1,4                  | 25                   | 1,9                        | 1 |
|  |                             | A3143-0.26                      | 0,26                 | 1,4                  | 25                   | 1,9                        | 1 |
|  |                             | A3143-0.27                      | 0,27                 | 1,4                  | 25                   | 1,9                        | 1 |
|  |                             | A3143-0.28                      | 0,28                 | 1,4                  | 25                   | 1,9                        | 1 |
|  |                             | A3143-0.29                      | 0,29                 | 1,4                  | 25                   | 1,9                        | 1 |
|  |                             | A3143-0.3                       | 0,3                  | 1,4                  | 25                   | 1,9                        | 1 |
|  |                             | A3143-0.31                      | 0,31                 | 1,8                  | 25                   | 2,4                        | 1 |
|  |                             | A3143-0.32                      | 0,32                 | 1,8                  | 25                   | 2,4                        | 1 |
|  |                             | A3143-0.33                      | 0,33                 | 1,8                  | 25                   | 2,4                        | 1 |
|  |                             | A3143-0.34                      | 0,34                 | 1,8                  | 25                   | 2,4                        | 1 |
|  |                             | A3143-0.35                      | 0,35                 | 1,8                  | 25                   | 2,4                        | 1 |
|  |                             | A3143-0.36                      | 0,36                 | 1,8                  | 25                   | 2,4                        | 1 |
|  | A3143-0.37                  | 0,37                            | 1,8                  | 25                   | 2,4                  | 1                          |   |
|  | A3143-0.38                  | 0,38                            | 1,8                  | 25                   | 2,4                  | 1                          |   |
|  | A3143-0.39                  | 0,39                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.4                   | 0,4                             | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.41                  | 0,41                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.42                  | 0,42                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.43                  | 0,43                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.44                  | 0,44                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.45                  | 0,45                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.46                  | 0,46                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.47                  | 0,47                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.48                  | 0,48                            | 2,2                  | 25                   | 3                    | 1                          |   |
|  | A3143-0.49                  | 0,49                            | 2,6                  | 25                   | 3,4                  | 1                          |   |
|  | A3143-0.5                   | 0,5                             | 2,6                  | 25                   | 3,4                  | 1                          |   |
|  | A3143-0.51                  | 0,51                            | 2,6                  | 25                   | 3,4                  | 1                          |   |
|  | A3143-0.52                  | 0,52                            | 2,6                  | 25                   | 3,4                  | 1                          |   |

|  | Désignation sans revêtement | D <sub>c</sub><br>0-0,004<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h8<br>mm |
|--|-----------------------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|
| Queue cylindrique  | A3143-0.53                  | 0,53                            | 2,6                  | 25                   | 3,4                  | 1                          |
|  | A3143-0.54                  | 0,54                            | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.55                  | 0,55                            | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.56                  | 0,56                            | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.57                  | 0,57                            | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.58                  | 0,58                            | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.59                  | 0,59                            | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.6                   | 0,6                             | 3                    | 25                   | 3,9                  | 1                          |
|  | A3143-0.61                  | 0,61                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.62                  | 0,62                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.63                  | 0,63                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.64                  | 0,64                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.65                  | 0,65                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.66                  | 0,66                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.67                  | 0,67                            | 3,1                  | 25                   | 4,2                  | 1                          |
|  | A3143-0.68                  | 0,68                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.69                  | 0,69                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.7                   | 0,7                             | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.71                  | 0,71                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.72                  | 0,72                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.73                  | 0,73                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.74                  | 0,74                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.75                  | 0,75                            | 3,6                  | 25                   | 4,8                  | 1                          |
|  | A3143-0.76                  | 0,76                            | 4,1                  | 25                   | 5,3                  | 1                          |
|  | A3143-0.77                  | 0,77                            | 4,1                  | 25                   | 5,3                  | 1                          |
|  | A3143-0.78                  | 0,78                            | 4,1                  | 25                   | 5,3                  | 1                          |
|  | A3143-0.79                  | 0,79                            | 4,1                  | 25                   | 5,3                  | 1                          |
|  | A3143-0.8                   | 0,8                             | 4                    | 25                   | 5,3                  | 1,5                        |
|  | A3143-0.81                  | 0,81                            | 4                    | 25                   | 5,3                  | 1,5                        |
|  | A3143-0.82                  | 0,82                            | 4                    | 25                   | 5,3                  | 1,5                        |
|  | A3143-0.83                  | 0,83                            | 4                    | 25                   | 5,3                  | 1,5                        |
|  | A3143-0.84                  | 0,84                            | 4                    | 25                   | 5,3                  | 1,5                        |
|  | A3143-0.85                  | 0,85                            | 4                    | 25                   | 5,3                  | 1,5                        |
|  | A3143-0.86                  | 0,86                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.87                  | 0,87                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.88                  | 0,88                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.89                  | 0,89                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.9                   | 0,9                             | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.91                  | 0,91                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.92                  | 0,92                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.93                  | 0,93                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.94                  | 0,94                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.95                  | 0,95                            | 4,5                  | 25                   | 6                    | 1,5                        |
|  | A3143-0.96                  | 0,96                            | 5                    | 25                   | 6,8                  | 1,5                        |
|  | A3143-0.97                  | 0,97                            | 5                    | 25                   | 6,8                  | 1,5                        |
|  | A3143-0.98                  | 0,98                            | 5                    | 25                   | 6,8                  | 1,5                        |
|  | A3143-0.99                  | 0,99                            | 5                    | 25                   | 6,8                  | 1,5                        |
|  | A3143-1                     | 1                               | 5                    | 25                   | 6,8                  | 1,5                        |
|  | A3143-1.05                  | 1,05                            | 5                    | 25                   | 6,8                  | 1,5                        |
|  | A3143-1.1                   | 1,1                             | 5                    | 25                   | 7,6                  | 1,5                        |
|  | A3143-1.15                  | 1,15                            | 5                    | 25                   | 7,6                  | 1,5                        |
|  | A3143-1.2                   | 1,2                             | 6                    | 25                   | 8,5                  | 1,5                        |
|  | A3143-1.25                  | 1,25                            | 6                    | 25                   | 8,5                  | 1,5                        |
|  | A3143-1.3                   | 1,3                             | 6                    | 25                   | 8,5                  | 1,5                        |
|  | A3143-1.35                  | 1,35                            | 7                    | 25                   | 9,5                  | 1,5                        |
|  | A3143-1.4                   | 1,4                             | 7                    | 25                   | 9,5                  | 1,5                        |
|  | A3143-1.45                  | 1,45                            | 7                    | 25                   | 9,5                  | 1,5                        |

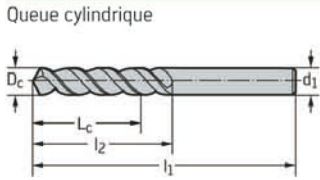
# Foret pour perçage profond en HSS-E A1249XPL

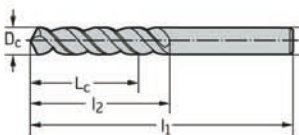
UFL®



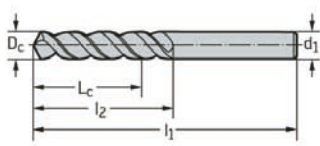
|     |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|
| XPL | P | M | K | N | S | H | O |
|     | ● | ● | ● | ● | ● | ● | ● |

|                 | Désignation<br>XPL | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|-----------------|--------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|                 | A1249XPL-1         | 1                          |                               | 10                   | 34                   | 12                   | 1                           |
|                 | A1249XPL-N060      | 1,016                      | No. 60                        | 10                   | 34                   | 12                   | 1,016                       |
|                 | A1249XPL-N059      | 1,041                      | No. 59                        | 10                   | 34                   | 12                   | 1,041                       |
|                 | A1249XPL-N058      | 1,067                      | No. 58                        | 12                   | 36                   | 14                   | 1,067                       |
|                 | A1249XPL-N057      | 1,092                      | No. 57                        | 12                   | 36                   | 14                   | 1,092                       |
|                 | A1249XPL-1.1       | 1,1                        |                               | 12                   | 36                   | 14                   | 1,1                         |
|                 | A1249XPL-N056      | 1,181                      | No. 56                        | 14                   | 38                   | 16                   | 1,181                       |
|                 | A1249XPL-3/64IN    | 1,191                      | 3/64"                         | 14                   | 38                   | 16                   | 1,191                       |
|                 | A1249XPL-1.2       | 1,2                        |                               | 14                   | 38                   | 16                   | 1,2                         |
|                 | A1249XPL-1.3       | 1,3                        |                               | 14                   | 38                   | 16                   | 1,3                         |
|                 | A1249XPL-N055      | 1,321                      | No. 55                        | 15                   | 40                   | 18                   | 1,321                       |
|                 | A1249XPL-N054      | 1,397                      | No. 54                        | 15                   | 40                   | 18                   | 1,397                       |
|                 | A1249XPL-1.4       | 1,4                        |                               | 15                   | 40                   | 18                   | 1,4                         |
|                 | A1249XPL-1.5       | 1,5                        |                               | 15                   | 40                   | 18                   | 1,5                         |
|                 | A1249XPL-N053      | 1,511                      | No. 53                        | 17                   | 43                   | 20                   | 1,511                       |
|                 | A1249XPL-1/16IN    | 1,588                      | 1/16"                         | 17                   | 43                   | 20                   | 1,588                       |
|                 | A1249XPL-1.6       | 1,6                        |                               | 17                   | 43                   | 20                   | 1,6                         |
|                 | A1249XPL-N052      | 1,613                      | No. 52                        | 17                   | 43                   | 20                   | 1,613                       |
|                 | A1249XPL-1.7       | 1,7                        |                               | 17                   | 43                   | 20                   | 1,7                         |
|                 | A1249XPL-N051      | 1,702                      | No. 51                        | 19                   | 46                   | 22                   | 1,702                       |
|                 | A1249XPL-N050      | 1,778                      | No. 50                        | 19                   | 46                   | 22                   | 1,778                       |
|                 | A1249XPL-1.8       | 1,8                        |                               | 19                   | 46                   | 22                   | 1,8                         |
|                 | A1249XPL-N049      | 1,854                      | No. 49                        | 19                   | 46                   | 22                   | 1,854                       |
|                 | A1249XPL-1.9       | 1,9                        |                               | 19                   | 46                   | 22                   | 1,9                         |
|                 | A1249XPL-N048      | 1,93                       | No. 48                        | 20                   | 49                   | 24                   | 1,93                        |
|                 | A1249XPL-5/64IN    | 1,984                      | 5/64"                         | 20                   | 49                   | 24                   | 1,984                       |
|                 | A1249XPL-N047      | 1,994                      | No. 47                        | 20                   | 49                   | 24                   | 1,994                       |
|                 | A1249XPL-2         | 2                          |                               | 20                   | 49                   | 24                   | 2                           |
|                 | A1249XPL-N046      | 2,057                      | No. 46                        | 20                   | 49                   | 24                   | 2,057                       |
|                 | A1249XPL-N045      | 2,083                      | No. 45                        | 20                   | 49                   | 24                   | 2,083                       |
|                 | A1249XPL-2.1       | 2,1                        |                               | 20                   | 49                   | 24                   | 2,1                         |
|                 | A1249XPL-N044      | 2,184                      | No. 44                        | 23                   | 53                   | 27                   | 2,184                       |
|                 | A1249XPL-2.2       | 2,2                        |                               | 23                   | 53                   | 27                   | 2,2                         |
| A1249XPL-N043   | 2,261              | No. 43                     | 23                            | 53                   | 27                   | 2,261                |                             |
| A1249XPL-2.3    | 2,3                |                            | 23                            | 53                   | 27                   | 2,3                  |                             |
| A1249XPL-N042   | 2,375              | No. 42                     | 26                            | 57                   | 30                   | 2,375                |                             |
| A1249XPL-3/32IN | 2,381              | 3/32"                      | 26                            | 57                   | 30                   | 2,381                |                             |
| A1249XPL-2.4    | 2,4                |                            | 26                            | 57                   | 30                   | 2,4                  |                             |
| A1249XPL-N041   | 2,438              | No. 41                     | 26                            | 57                   | 30                   | 2,438                |                             |
| A1249XPL-N040   | 2,489              | No. 40                     | 26                            | 57                   | 30                   | 2,489                |                             |
| A1249XPL-2.5    | 2,5                |                            | 26                            | 57                   | 30                   | 2,5                  |                             |
| A1249XPL-N039   | 2,527              | No. 39                     | 26                            | 57                   | 30                   | 2,527                |                             |
| A1249XPL-N038   | 2,578              | No. 38                     | 26                            | 57                   | 30                   | 2,578                |                             |
| A1249XPL-2.6    | 2,6                |                            | 26                            | 57                   | 30                   | 2,6                  |                             |
| A1249XPL-N037   | 2,642              | No. 37                     | 26                            | 57                   | 30                   | 2,642                |                             |
| A1249XPL-2.7    | 2,7                |                            | 28                            | 61                   | 33                   | 2,7                  |                             |
| A1249XPL-N036   | 2,705              | No. 36                     | 28                            | 61                   | 33                   | 2,705                |                             |
| A1249XPL-7/64IN | 2,778              | 7/64"                      | 28                            | 61                   | 33                   | 2,778                |                             |

|  | Désignation<br>XPL | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|--------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  | A1249XPL-N035      | 2,794                      | No. 35                        | 28                   | 61                   | 33                   | 2,794                       |
|  | A1249XPL-2.8       | 2,8                        |                               | 28                   | 61                   | 33                   | 2,8                         |
|  | A1249XPL-N034      | 2,819                      | No. 34                        | 28                   | 61                   | 33                   | 2,819                       |
|  | A1249XPL-N033      | 2,87                       | No. 33                        | 28                   | 61                   | 33                   | 2,87                        |
|  | A1249XPL-2.9       | 2,9                        |                               | 28                   | 61                   | 33                   | 2,9                         |
|  | A1249XPL-N032      | 2,946                      | No. 32                        | 28                   | 61                   | 33                   | 2,946                       |
|  | A1249XPL-3         | 3                          |                               | 28                   | 61                   | 33                   | 3                           |
|  | A1249XPL-N031      | 3,048                      | No. 31                        | 30                   | 65                   | 36                   | 3,048                       |
|  | A1249XPL-3.1       | 3,1                        |                               | 30                   | 65                   | 36                   | 3,1                         |
|  | A1249XPL-1/8IN     | 3,175                      | 1/8"                          | 30                   | 65                   | 36                   | 3,175                       |
|  | A1249XPL-3.2       | 3,2                        |                               | 30                   | 65                   | 36                   | 3,2                         |
|  | A1249XPL-N030      | 3,264                      | No. 30                        | 30                   | 65                   | 36                   | 3,264                       |
|  | A1249XPL-3.3       | 3,3                        |                               | 30                   | 65                   | 36                   | 3,3                         |
|  | A1249XPL-3.4       | 3,4                        |                               | 33                   | 70                   | 39                   | 3,4                         |
|  | A1249XPL-N029      | 3,454                      | No. 29                        | 33                   | 70                   | 39                   | 3,454                       |
|  | A1249XPL-3.5       | 3,5                        |                               | 33                   | 70                   | 39                   | 3,5                         |
|  | A1249XPL-N028      | 3,569                      | No. 28                        | 33                   | 70                   | 39                   | 3,569                       |
|  | A1249XPL-9/64IN    | 3,572                      | 9/64"                         | 33                   | 70                   | 39                   | 3,572                       |
|  | A1249XPL-3.6       | 3,6                        |                               | 33                   | 70                   | 39                   | 3,6                         |
|  | A1249XPL-N027      | 3,658                      | No. 27                        | 33                   | 70                   | 39                   | 3,658                       |
|  | A1249XPL-3.7       | 3,7                        |                               | 33                   | 70                   | 39                   | 3,7                         |
|  | A1249XPL-N026      | 3,734                      | No. 26                        | 33                   | 70                   | 39                   | 3,734                       |
|  | A1249XPL-N025      | 3,797                      | No. 25                        | 36                   | 75                   | 43                   | 3,797                       |
|  | A1249XPL-3.8       | 3,8                        |                               | 36                   | 75                   | 43                   | 3,8                         |
|  | A1249XPL-N024      | 3,861                      | No. 24                        | 36                   | 75                   | 43                   | 3,861                       |
|  | A1249XPL-3.9       | 3,9                        |                               | 36                   | 75                   | 43                   | 3,9                         |
|  | A1249XPL-N023      | 3,912                      | No. 23                        | 36                   | 75                   | 43                   | 3,912                       |
|  | A1249XPL-5/32IN    | 3,969                      | 5/32"                         | 36                   | 75                   | 43                   | 3,969                       |
|  | A1249XPL-N022      | 3,988                      | No. 22                        | 36                   | 75                   | 43                   | 3,988                       |
|  | A1249XPL-4         | 4                          |                               | 36                   | 75                   | 43                   | 4                           |
|  | A1249XPL-N021      | 4,039                      | No. 21                        | 36                   | 75                   | 43                   | 4,039                       |
|  | A1249XPL-N020      | 4,089                      | No. 20                        | 36                   | 75                   | 43                   | 4,089                       |
|  | A1249XPL-4.1       | 4,1                        |                               | 36                   | 75                   | 43                   | 4,1                         |
| A1249XPL-4.2   | 4,2                |                            | 36                            | 75                   | 43                   | 4,2                  |                             |
| A1249XPL-N019  | 4,216              | No. 19                     | 36                            | 75                   | 43                   | 4,216                |                             |
| A1249XPL-4.3   | 4,3                |                            | 39                            | 80                   | 47                   | 4,3                  |                             |
| A1249XPL-N018  | 4,305              | No. 18                     | 39                            | 80                   | 47                   | 4,305                |                             |
| A1249XPL-11/64IN   | 4,366              | 11/64"                     | 39                            | 80                   | 47                   | 4,366                |                             |
| A1249XPL-N017  | 4,394              | No. 17                     | 39                            | 80                   | 47                   | 4,394                |                             |
| A1249XPL-4.4   | 4,4                |                            | 39                            | 80                   | 47                   | 4,4                  |                             |
| A1249XPL-N016  | 4,496              | No. 16                     | 39                            | 80                   | 47                   | 4,496                |                             |
| A1249XPL-4.5   | 4,5                |                            | 39                            | 80                   | 47                   | 4,5                  |                             |
| A1249XPL-N015  | 4,572              | No. 15                     | 39                            | 80                   | 47                   | 4,572                |                             |
| A1249XPL-4.6   | 4,6                |                            | 39                            | 80                   | 47                   | 4,6                  |                             |
| A1249XPL-N014  | 4,623              | No. 14                     | 39                            | 80                   | 47                   | 4,623                |                             |
| A1249XPL-4.65  | 4,65               |                            | 39                            | 80                   | 47                   | 4,65                 |                             |
| A1249XPL-N013  | 4,699              | No. 13                     | 39                            | 80                   | 47                   | 4,699                |                             |
| A1249XPL-4.7   | 4,7                |                            | 39                            | 80                   | 47                   | 4,7                  |                             |
| A1249XPL-3/16IN  | 4,763              | 3/16"                      | 44                            | 86                   | 52                   | 4,763                |                             |
| A1249XPL-4.8   | 4,8                |                            | 44                            | 86                   | 52                   | 4,8                  |                             |
| A1249XPL-N012  | 4,801              | No. 12                     | 44                            | 86                   | 52                   | 4,801                |                             |
| A1249XPL-N011  | 4,851              | No. 11                     | 44                            | 86                   | 52                   | 4,851                |                             |
| A1249XPL-4.9   | 4,9                |                            | 44                            | 86                   | 52                   | 4,9                  |                             |
| A1249XPL-N010  | 4,915              | No. 10                     | 44                            | 86                   | 52                   | 4,915                |                             |
| A1249XPL-N09   | 4,978              | No. 09                     | 44                            | 86                   | 52                   | 4,978                |                             |
| A1249XPL-5   | 5                  |                            | 44                            | 86                   | 52                   | 5                    |                             |
| A1249XPL-N08   | 5,055              | No. 08                     | 44                            | 86                   | 52                   | 5,055                |                             |
| A1249XPL-5.1   | 5,1                |                            | 44                            | 86                   | 52                   | 5,1                  |                             |

|  | Désignation XPL  | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1249XPL-N07     | 5,105                      | No. 07                        | 44                   | 86                   | 52                   | 5,105                       |
|  | A1249XPL-13/64IN | 5,159                      | 13/64"                        | 44                   | 86                   | 52                   | 5,159                       |
|  | A1249XPL-N06     | 5,182                      | No. 06                        | 44                   | 86                   | 52                   | 5,182                       |
|  | A1249XPL-5.2     | 5,2                        |                               | 44                   | 86                   | 52                   | 5,2                         |
|  | A1249XPL-N05     | 5,22                       | No. 05                        | 44                   | 86                   | 52                   | 5,22                        |
|  | A1249XPL-5.3     | 5,3                        |                               | 44                   | 86                   | 52                   | 5,3                         |
|  | A1249XPL-N04     | 5,309                      | No. 04                        | 48                   | 93                   | 57                   | 5,309                       |
|  | A1249XPL-5.4     | 5,4                        |                               | 48                   | 93                   | 57                   | 5,4                         |
|  | A1249XPL-N03     | 5,41                       | No. 03                        | 48                   | 93                   | 57                   | 5,41                        |
|  | A1249XPL-5.5     | 5,5                        |                               | 48                   | 93                   | 57                   | 5,5                         |
|  | A1249XPL-5.55    | 5,55                       |                               | 48                   | 93                   | 57                   | 5,55                        |
|  | A1249XPL-7/32IN  | 5,556                      | 7/32"                         | 48                   | 93                   | 57                   | 5,556                       |
|  | A1249XPL-5.6     | 5,6                        |                               | 48                   | 93                   | 57                   | 5,6                         |
|  | A1249XPL-N02     | 5,613                      | No. 02                        | 48                   | 93                   | 57                   | 5,613                       |
|  | A1249XPL-5.7     | 5,7                        |                               | 48                   | 93                   | 57                   | 5,7                         |
|  | A1249XPL-N01     | 5,791                      | No. 01                        | 48                   | 93                   | 57                   | 5,791                       |
|  | A1249XPL-5.8     | 5,8                        |                               | 48                   | 93                   | 57                   | 5,8                         |
|  | A1249XPL-5.9     | 5,9                        |                               | 48                   | 93                   | 57                   | 5,9                         |
|  | A1249XPL-15/64IN | 5,953                      | 15/64"                        | 48                   | 93                   | 57                   | 5,953                       |
|  | A1249XPL-6       | 6                          |                               | 48                   | 93                   | 57                   | 6                           |
|  | A1249XPL-6.1     | 6,1                        |                               | 52                   | 101                  | 63                   | 6,1                         |
|  | A1249XPL-6.2     | 6,2                        |                               | 52                   | 101                  | 63                   | 6,2                         |
|  | A1249XPL-6.3     | 6,3                        |                               | 52                   | 101                  | 63                   | 6,3                         |
|  | A1249XPL-1/4IN   | 6,35                       | 1/4"                          | 52                   | 101                  | 63                   | 6,35                        |
|  | A1249XPL-6.4     | 6,4                        |                               | 52                   | 101                  | 63                   | 6,4                         |
|  | A1249XPL-6.5     | 6,5                        |                               | 52                   | 101                  | 63                   | 6,5                         |
|  | A1249XPL-6.6     | 6,6                        |                               | 52                   | 101                  | 63                   | 6,6                         |
|  | A1249XPL-6.7     | 6,7                        |                               | 52                   | 101                  | 63                   | 6,7                         |
|  | A1249XPL-17/64IN | 6,747                      | 17/64"                        | 57                   | 109                  | 69                   | 6,747                       |
|  | A1249XPL-6.8     | 6,8                        |                               | 57                   | 109                  | 69                   | 6,8                         |
|  | A1249XPL-6.9     | 6,9                        |                               | 57                   | 109                  | 69                   | 6,9                         |
|  | A1249XPL-7       | 7                          |                               | 57                   | 109                  | 69                   | 7                           |
|  | A1249XPL-7.1     | 7,1                        |                               | 57                   | 109                  | 69                   | 7,1                         |
|  | A1249XPL-9/32IN  | 7,144                      | 9/32"                         | 57                   | 109                  | 69                   | 7,144                       |
|  | A1249XPL-7.2     | 7,2                        |                               | 57                   | 109                  | 69                   | 7,2                         |
|  | A1249XPL-7.3     | 7,3                        |                               | 57                   | 109                  | 69                   | 7,3                         |
|  | A1249XPL-7.4     | 7,4                        |                               | 57                   | 109                  | 69                   | 7,4                         |
|  | A1249XPL-7.5     | 7,5                        |                               | 57                   | 109                  | 69                   | 7,5                         |
|  | A1249XPL-19/64IN | 7,541                      | 19/64"                        | 62                   | 117                  | 75                   | 7,541                       |
|  | A1249XPL-7.6     | 7,6                        |                               | 62                   | 117                  | 75                   | 7,6                         |
|  | A1249XPL-7.7     | 7,7                        |                               | 62                   | 117                  | 75                   | 7,7                         |
|  | A1249XPL-7.8     | 7,8                        |                               | 62                   | 117                  | 75                   | 7,8                         |
|  | A1249XPL-7.9     | 7,9                        |                               | 62                   | 117                  | 75                   | 7,9                         |
|  | A1249XPL-5/16IN  | 7,938                      | 5/16"                         | 62                   | 117                  | 75                   | 7,938                       |
|  | A1249XPL-8       | 8                          |                               | 62                   | 117                  | 75                   | 8                           |
|  | A1249XPL-8.1     | 8,1                        |                               | 62                   | 117                  | 75                   | 8,1                         |
|  | A1249XPL-8.2     | 8,2                        |                               | 62                   | 117                  | 75                   | 8,2                         |
|  | A1249XPL-8.3     | 8,3                        |                               | 62                   | 117                  | 75                   | 8,3                         |
|  | A1249XPL-21/64IN | 8,334                      | 21/64"                        | 62                   | 117                  | 75                   | 8,334                       |
|  | A1249XPL-8.4     | 8,4                        |                               | 62                   | 117                  | 75                   | 8,4                         |
|  | A1249XPL-8.5     | 8,5                        |                               | 62                   | 117                  | 75                   | 8,5                         |
|  | A1249XPL-8.6     | 8,6                        |                               | 66                   | 125                  | 81                   | 8,6                         |
|  | A1249XPL-8.7     | 8,7                        |                               | 66                   | 125                  | 81                   | 8,7                         |
|  | A1249XPL-11/32IN | 8,731                      | 11/32"                        | 66                   | 125                  | 81                   | 8,731                       |
|  | A1249XPL-8.8     | 8,8                        |                               | 66                   | 125                  | 81                   | 8,8                         |
|  | A1249XPL-8.9     | 8,9                        |                               | 66                   | 125                  | 81                   | 8,9                         |
|  | A1249XPL-9       | 9                          |                               | 66                   | 125                  | 81                   | 9                           |
|  | A1249XPL-9.1     | 9,1                        |                               | 66                   | 125                  | 81                   | 9,1                         |
|  | A1249XPL-23/64IN | 9,128                      | 23/64"                        | 66                   | 125                  | 81                   | 9,128                       |
|  | A1249XPL-9.2     | 9,2                        |                               | 66                   | 125                  | 81                   | 9,2                         |
|  | A1249XPL-9.3     | 9,3                        |                               | 66                   | 125                  | 81                   | 9,3                         |
|  | A1249XPL-9.4     | 9,4                        |                               | 66                   | 125                  | 81                   | 9,4                         |

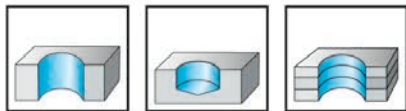


|  | Désignation<br>XPL | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|--------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1249XPL-9.5       | 9,5                        |                               | 66                   | 125                  | 81                   | 9,5                         |
|  | A1249XPL-3/8IN     | 9,525                      | 3/8"                          | 71                   | 133                  | 87                   | 9,525                       |
|  | A1249XPL-9.6       | 9,6                        |                               | 71                   | 133                  | 87                   | 9,6                         |
|  | A1249XPL-9.7       | 9,7                        |                               | 71                   | 133                  | 87                   | 9,7                         |
|  | A1249XPL-9.8       | 9,8                        |                               | 71                   | 133                  | 87                   | 9,8                         |
|  | A1249XPL-9.9       | 9,9                        |                               | 71                   | 133                  | 87                   | 9,9                         |
|  | A1249XPL-25/64IN   | 9,922                      | 25/64"                        | 71                   | 133                  | 87                   | 9,922                       |
|  | A1249XPL-10        | 10                         |                               | 71                   | 133                  | 87                   | 10                          |
|  | A1249XPL-10.2      | 10,2                       |                               | 71                   | 133                  | 87                   | 10,2                        |
|  | A1249XPL-13/32IN   | 10,319                     | 13/32"                        | 71                   | 133                  | 87                   | 10,319                      |
|  | A1249XPL-10.5      | 10,5                       |                               | 71                   | 133                  | 87                   | 10,5                        |
|  | A1249XPL-27/64IN   | 10,716                     | 27/64"                        | 76                   | 142                  | 94                   | 10,716                      |
|  | A1249XPL-11        | 11                         |                               | 76                   | 142                  | 94                   | 11                          |
|  | A1249XPL-7/16IN    | 11,113                     | 7/16"                         | 76                   | 142                  | 94                   | 11,113                      |
|  | A1249XPL-11.2      | 11,2                       |                               | 76                   | 142                  | 94                   | 11,2                        |
|  | A1249XPL-11.3      | 11,3                       |                               | 76                   | 142                  | 94                   | 11,3                        |
|  | A1249XPL-11.5      | 11,5                       |                               | 76                   | 142                  | 94                   | 11,5                        |
|  | A1249XPL-29/64IN   | 11,509                     | 29/64"                        | 76                   | 142                  | 94                   | 11,509                      |
|  | A1249XPL-15/32IN   | 11,906                     | 15/32"                        | 87                   | 151                  | 101                  | 11,906                      |
|  | A1249XPL-12        | 12                         |                               | 87                   | 151                  | 101                  | 12                          |
|  | A1249XPL-31/64IN   | 12,303                     | 31/64"                        | 87                   | 151                  | 101                  | 12,303                      |
|  | A1249XPL-12.5      | 12,5                       |                               | 87                   | 151                  | 101                  | 12,5                        |
|  | A1249XPL-1/2IN     | 12,7                       | 1/2"                          | 87                   | 151                  | 101                  | 12,7                        |
|  | A1249XPL-13        | 13                         |                               | 87                   | 151                  | 101                  | 13                          |
|  | A1249XPL-13.1      | 13,1                       |                               | 87                   | 151                  | 101                  | 13,1                        |
|  | A1249XPL-13.3      | 13,3                       |                               | 94                   | 160                  | 108                  | 13,3                        |
|  | A1249XPL-13.5      | 13,5                       |                               | 94                   | 160                  | 108                  | 13,5                        |
|  | A1249XPL-14        | 14                         |                               | 94                   | 160                  | 108                  | 14                          |
|  | A1249XPL-14.5      | 14,5                       |                               | 99                   | 169                  | 114                  | 14,5                        |
|  | A1249XPL-15        | 15                         |                               | 99                   | 169                  | 114                  | 15                          |
|  | A1249XPL-15.1      | 15,1                       |                               | 104                  | 178                  | 120                  | 15,1                        |
|  | A1249XPL-15.3      | 15,3                       |                               | 104                  | 178                  | 120                  | 15,3                        |
|  | A1249XPL-15.5      | 15,5                       |                               | 104                  | 178                  | 120                  | 15,5                        |
|  | A1249XPL-16        | 16                         |                               | 104                  | 178                  | 120                  | 16                          |
|  | A1249XPL-16.5      | 16,5                       |                               | 108                  | 184                  | 125                  | 16,5                        |
|  | A1249XPL-17        | 17                         |                               | 108                  | 184                  | 125                  | 17                          |
|  | A1249XPL-17.5      | 17,5                       |                               | 112                  | 191                  | 130                  | 17,5                        |
|  | A1249XPL-18        | 18                         |                               | 112                  | 191                  | 130                  | 18                          |
|  | A1249XPL-18.5      | 18,5                       |                               | 116                  | 198                  | 135                  | 18,5                        |
|  | A1249XPL-19        | 19                         |                               | 116                  | 198                  | 135                  | 19                          |
|  | A1249XPL-19.5      | 19,5                       |                               | 120                  | 205                  | 140                  | 19,5                        |
|  | A1249XPL-20        | 20                         |                               | 120                  | 205                  | 140                  | 20                          |

# Foret hélicoïdal en HSS-E A1244



- Disponible en coffret



~8×D<sub>c</sub>

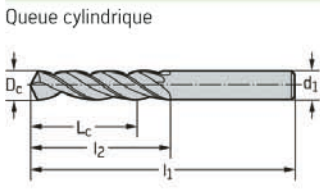
DIN  
338

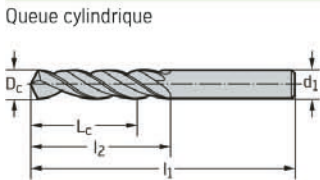


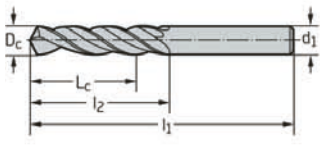
130°

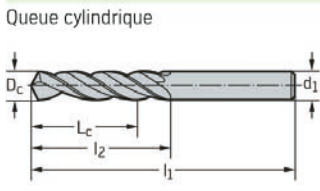
|                 | P | M  | K | N | S  | H | O |
|-----------------|---|----|---|---|----|---|---|
| sans revêtement | ● | ●● | ■ | ● | ●● | ■ | ■ |

|              | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|--------------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|              | A1244-0.3                      | 0,3                        |                               | 2,5                  | 19                   | 3                    | 0,3                         |
|              | A1244-N080                     | 0,343                      | No. 80                        | 3,4                  | 19                   | 4                    | 0,343                       |
|              | A1244-0.35                     | 0,35                       |                               | 3,4                  | 19                   | 4                    | 0,35                        |
|              | A1244-N079                     | 0,368                      | No. 79                        | 3,4                  | 19                   | 4                    | 0,368                       |
|              | A1244-1/64IN                   | 0,397                      | 1/64"                         | 4,2                  | 20                   | 5                    | 0,397                       |
|              | A1244-0.4                      | 0,4                        |                               | 4,2                  | 20                   | 5                    | 0,4                         |
|              | A1244-N078                     | 0,406                      | No. 78                        | 4,2                  | 20                   | 5                    | 0,406                       |
|              | A1244-0.45                     | 0,45                       |                               | 4,2                  | 20                   | 5                    | 0,45                        |
|              | A1244-N077                     | 0,457                      | No. 77                        | 4,2                  | 20                   | 5                    | 0,457                       |
|              | A1244-0.5                      | 0,5                        |                               | 5,2                  | 22                   | 6                    | 0,5                         |
|              | A1244-N076                     | 0,508                      | No. 76                        | 5,2                  | 22                   | 6                    | 0,508                       |
|              | A1244-N075                     | 0,533                      | No. 75                        | 6,1                  | 24                   | 7                    | 0,533                       |
|              | A1244-0.55                     | 0,55                       |                               | 6,1                  | 24                   | 7                    | 0,55                        |
|              | A1244-N074                     | 0,572                      | No. 74                        | 6,1                  | 24                   | 7                    | 0,572                       |
|              | A1244-0.6                      | 0,6                        |                               | 6,1                  | 24                   | 7                    | 0,6                         |
|              | A1244-N073                     | 0,61                       | No. 73                        | 6,9                  | 26                   | 8                    | 0,61                        |
|              | A1244-N072                     | 0,635                      | No. 72                        | 6,9                  | 26                   | 8                    | 0,635                       |
|              | A1244-0.65                     | 0,65                       |                               | 6,9                  | 26                   | 8                    | 0,65                        |
|              | A1244-N071                     | 0,66                       | No. 71                        | 6,9                  | 26                   | 8                    | 0,66                        |
|              | A1244-0.7                      | 0,7                        |                               | 7,8                  | 28                   | 9                    | 0,7                         |
|              | A1244-N070                     | 0,711                      | No. 70                        | 7,8                  | 28                   | 9                    | 0,711                       |
|              | A1244-N069                     | 0,742                      | No. 69                        | 7,8                  | 28                   | 9                    | 0,742                       |
|              | A1244-0.75                     | 0,75                       |                               | 7,8                  | 28                   | 9                    | 0,75                        |
|              | A1244-N068                     | 0,787                      | No. 68                        | 8,7                  | 30                   | 10                   | 0,787                       |
|              | A1244-1/32IN                   | 0,794                      | 1/32"                         | 8,7                  | 30                   | 10                   | 0,794                       |
|              | A1244-0.8                      | 0,8                        |                               | 8,7                  | 30                   | 10                   | 0,8                         |
|              | A1244-N067                     | 0,813                      | No. 67                        | 8,7                  | 30                   | 10                   | 0,813                       |
|              | A1244-N066                     | 0,838                      | No. 66                        | 8,7                  | 30                   | 10                   | 0,838                       |
|              | A1244-0.85                     | 0,85                       |                               | 8,7                  | 30                   | 10                   | 0,85                        |
|              | A1244-N065                     | 0,889                      | No. 65                        | 9,5                  | 32                   | 11                   | 0,889                       |
| A1244-0.9    | 0,9                            |                            | 9,5                           | 32                   | 11                   | 0,9                  |                             |
| A1244-N064   | 0,914                          | No. 64                     | 9,5                           | 32                   | 11                   | 0,914                |                             |
| A1244-N063   | 0,94                           | No. 63                     | 9,5                           | 32                   | 11                   | 0,94                 |                             |
| A1244-0.95   | 0,95                           |                            | 9,5                           | 32                   | 11                   | 0,95                 |                             |
| A1244-N062   | 0,965                          | No. 62                     | 10                            | 34                   | 12                   | 0,965                |                             |
| A1244-N061   | 0,991                          | No. 61                     | 10                            | 34                   | 12                   | 0,991                |                             |
| A1244-1      | 1                              |                            | 10                            | 34                   | 12                   | 1                    |                             |
| A1244-N060   | 1,016                          | No. 60                     | 10                            | 34                   | 12                   | 1,016                |                             |
| A1244-N059   | 1,041                          | No. 59                     | 10                            | 34                   | 12                   | 1,041                |                             |
| A1244-1.05   | 1,05                           |                            | 10                            | 34                   | 12                   | 1,05                 |                             |
| A1244-N058   | 1,067                          | No. 58                     | 12                            | 36                   | 14                   | 1,067                |                             |
| A1244-N057   | 1,092                          | No. 57                     | 12                            | 36                   | 14                   | 1,092                |                             |
| A1244-1.1    | 1,1                            |                            | 12                            | 36                   | 14                   | 1,1                  |                             |
| A1244-1.15   | 1,15                           |                            | 12                            | 36                   | 14                   | 1,15                 |                             |
| A1244-N056   | 1,181                          | No. 56                     | 14                            | 38                   | 16                   | 1,181                |                             |
| A1244-3/64IN | 1,191                          | 3/64"                      | 14                            | 38                   | 16                   | 1,191                |                             |
| A1244-1.2    | 1,2                            |                            | 14                            | 38                   | 16                   | 1,2                  |                             |
| A1244-1.25   | 1,25                           |                            | 14                            | 38                   | 16                   | 1,25                 |                             |

|   | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Queue cylindrique</p>  | A1244-1.3                   | 1.3                        |                               | 14                   | 38                   | 16                   | 1.3                         |
|   | A1244-NO55                  | 1.321                      | No. 55                        | 15                   | 40                   | 18                   | 1,321                       |
|   | A1244-1.35                  | 1.35                       |                               | 15                   | 40                   | 18                   | 1.35                        |
|   | A1244-NO54                  | 1.397                      | No. 54                        | 15                   | 40                   | 18                   | 1,397                       |
|   | A1244-1.4                   | 1.4                        |                               | 15                   | 40                   | 18                   | 1.4                         |
|   | A1244-1.45                  | 1.45                       |                               | 15                   | 40                   | 18                   | 1.45                        |
|   | A1244-1.5                   | 1.5                        |                               | 15                   | 40                   | 18                   | 1.5                         |
|   | A1244-NO53                  | 1.511                      | No. 53                        | 17                   | 43                   | 20                   | 1,511                       |
|   | A1244-1.55                  | 1.55                       |                               | 17                   | 43                   | 20                   | 1.55                        |
|   | A1244-1/16IN                | 1.588                      | 1/16"                         | 17                   | 43                   | 20                   | 1,588                       |
|   | A1244-1.6                   | 1.6                        |                               | 17                   | 43                   | 20                   | 1.6                         |
|   | A1244-NO52                  | 1.613                      | No. 52                        | 17                   | 43                   | 20                   | 1,613                       |
|   | A1244-1.65                  | 1.65                       |                               | 17                   | 43                   | 20                   | 1.65                        |
|   | A1244-1.7                   | 1.7                        |                               | 17                   | 43                   | 20                   | 1.7                         |
|   | A1244-NO51                  | 1.702                      | No. 51                        | 19                   | 46                   | 22                   | 1,702                       |
|   | A1244-1.75                  | 1.75                       |                               | 19                   | 46                   | 22                   | 1.75                        |
|   | A1244-NO50                  | 1.778                      | No. 50                        | 19                   | 46                   | 22                   | 1,778                       |
|   | A1244-1.8                   | 1.8                        |                               | 19                   | 46                   | 22                   | 1.8                         |
|   | A1244-1.85                  | 1.85                       |                               | 19                   | 46                   | 22                   | 1.85                        |
|   | A1244-NO49                  | 1.854                      | No. 49                        | 19                   | 46                   | 22                   | 1,854                       |
|   | A1244-1.9                   | 1.9                        |                               | 19                   | 46                   | 22                   | 1.9                         |
|   | A1244-NO48                  | 1.93                       | No. 48                        | 20                   | 49                   | 24                   | 1.93                        |
|   | A1244-1.95                  | 1.95                       |                               | 20                   | 49                   | 24                   | 1.95                        |
|   | A1244-5/64IN                | 1.984                      | 5/64"                         | 20                   | 49                   | 24                   | 1,984                       |
|   | A1244-NO47                  | 1.994                      | No. 47                        | 20                   | 49                   | 24                   | 1,994                       |
|   | A1244-2                     | 2                          |                               | 20                   | 49                   | 24                   | 2                           |
|   | A1244-2.05                  | 2.05                       |                               | 20                   | 49                   | 24                   | 2.05                        |
|   | A1244-NO46                  | 2.057                      | No. 46                        | 20                   | 49                   | 24                   | 2,057                       |
|   | A1244-NO45                  | 2.083                      | No. 45                        | 20                   | 49                   | 24                   | 2,083                       |
|   | A1244-2.1                   | 2.1                        |                               | 20                   | 49                   | 24                   | 2.1                         |
|   | A1244-2.15                  | 2.15                       |                               | 23                   | 53                   | 27                   | 2.15                        |
|   | A1244-NO44                  | 2.184                      | No. 44                        | 23                   | 53                   | 27                   | 2,184                       |
|   | A1244-2.2                   | 2.2                        |                               | 23                   | 53                   | 27                   | 2.2                         |
|   | A1244-2.25                  | 2.25                       |                               | 23                   | 53                   | 27                   | 2.25                        |
| A1244-NO43  | 2.261                       | No. 43                     | 23                            | 53                   | 27                   | 2,261                |                             |
| A1244-2.3   | 2.3                         |                            | 23                            | 53                   | 27                   | 2.3                  |                             |
| A1244-2.35  | 2.35                        |                            | 23                            | 53                   | 27                   | 2.35                 |                             |
| A1244-NO42  | 2.375                       | No. 42                     | 26                            | 57                   | 30                   | 2,375                |                             |
| A1244-3/32IN  | 2.381                       | 3/32"                      | 26                            | 57                   | 30                   | 2,381                |                             |
| A1244-2.4   | 2.4                         |                            | 26                            | 57                   | 30                   | 2.4                  |                             |
| A1244-NO41  | 2.438                       | No. 41                     | 26                            | 57                   | 30                   | 2,438                |                             |
| A1244-2.45  | 2.45                        |                            | 26                            | 57                   | 30                   | 2.45                 |                             |
| A1244-NO40  | 2.489                       | No. 40                     | 26                            | 57                   | 30                   | 2,489                |                             |
| A1244-2.5   | 2.5                         |                            | 26                            | 57                   | 30                   | 2.5                  |                             |
| A1244-NO39  | 2.527                       | No. 39                     | 26                            | 57                   | 30                   | 2,527                |                             |
| A1244-2.55  | 2.55                        |                            | 26                            | 57                   | 30                   | 2.55                 |                             |
| A1244-NO38  | 2.578                       | No. 38                     | 26                            | 57                   | 30                   | 2,578                |                             |
| A1244-2.6   | 2.6                         |                            | 26                            | 57                   | 30                   | 2.6                  |                             |
| A1244-NO37  | 2.642                       | No. 37                     | 26                            | 57                   | 30                   | 2,642                |                             |
| A1244-2.65  | 2.65                        |                            | 26                            | 57                   | 30                   | 2.65                 |                             |
| A1244-2.7   | 2.7                         |                            | 28                            | 61                   | 33                   | 2.7                  |                             |
| A1244-NO36  | 2.705                       | No. 36                     | 28                            | 61                   | 33                   | 2,705                |                             |
| A1244-2.75  | 2.75                        |                            | 28                            | 61                   | 33                   | 2.75                 |                             |
| A1244-7/64IN  | 2.778                       | 7/64"                      | 28                            | 61                   | 33                   | 2,778                |                             |
| A1244-NO35  | 2.794                       | No. 35                     | 28                            | 61                   | 33                   | 2,794                |                             |
| A1244-2.8   | 2.8                         |                            | 28                            | 61                   | 33                   | 2.8                  |                             |
| A1244-NO34  | 2.819                       | No. 34                     | 28                            | 61                   | 33                   | 2,819                |                             |
| A1244-2.85  | 2.85                        |                            | 28                            | 61                   | 33                   | 2.85                 |                             |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1244-NO33                  | 2,87                       | No. 33                        | 28                   | 61                   | 33                   | 2,87                        |
|  | A1244-2.9                   | 2,9                        |                               | 28                   | 61                   | 33                   | 2,9                         |
|  | A1244-NO32                  | 2,946                      | No. 32                        | 28                   | 61                   | 33                   | 2,946                       |
|  | A1244-2.95                  | 2,95                       |                               | 28                   | 61                   | 33                   | 2,95                        |
|  | A1244-3                     | 3                          |                               | 28                   | 61                   | 33                   | 3                           |
|  | A1244-NO31                  | 3,048                      | No. 31                        | 30                   | 65                   | 36                   | 3,048                       |
|  | A1244-3.1                   | 3,1                        |                               | 30                   | 65                   | 36                   | 3,1                         |
|  | A1244-1/8IN                 | 3,175                      | 1/8"                          | 30                   | 65                   | 36                   | 3,175                       |
|  | A1244-3.2                   | 3,2                        |                               | 30                   | 65                   | 36                   | 3,2                         |
|  | A1244-NO30                  | 3,264                      | No. 30                        | 30                   | 65                   | 36                   | 3,264                       |
|  | A1244-3.3                   | 3,3                        |                               | 30                   | 65                   | 36                   | 3,3                         |
|  | A1244-3.4                   | 3,4                        |                               | 33                   | 70                   | 39                   | 3,4                         |
|  | A1244-NO29                  | 3,454                      | No. 29                        | 33                   | 70                   | 39                   | 3,454                       |
|  | A1244-3.5                   | 3,5                        |                               | 33                   | 70                   | 39                   | 3,5                         |
|  | A1244-NO28                  | 3,569                      | No. 28                        | 33                   | 70                   | 39                   | 3,569                       |
|  | A1244-9/64IN                | 3,572                      | 9/64"                         | 33                   | 70                   | 39                   | 3,572                       |
|  | A1244-3.6                   | 3,6                        |                               | 33                   | 70                   | 39                   | 3,6                         |
|  | A1244-3.65                  | 3,65                       |                               | 33                   | 70                   | 39                   | 3,65                        |
|  | A1244-NO27                  | 3,658                      | No. 27                        | 33                   | 70                   | 39                   | 3,658                       |
|  | A1244-3.7                   | 3,7                        |                               | 33                   | 70                   | 39                   | 3,7                         |
|  | A1244-NO26                  | 3,734                      | No. 26                        | 33                   | 70                   | 39                   | 3,734                       |
|  | A1244-NO25                  | 3,797                      | No. 25                        | 36                   | 75                   | 43                   | 3,797                       |
|  | A1244-3.8                   | 3,8                        |                               | 36                   | 75                   | 43                   | 3,8                         |
|  | A1244-NO24                  | 3,861                      | No. 24                        | 36                   | 75                   | 43                   | 3,861                       |
|  | A1244-3.9                   | 3,9                        |                               | 36                   | 75                   | 43                   | 3,9                         |
|  | A1244-NO23                  | 3,912                      | No. 23                        | 36                   | 75                   | 43                   | 3,912                       |
|  | A1244-5/32IN                | 3,969                      | 5/32"                         | 36                   | 75                   | 43                   | 3,969                       |
|  | A1244-NO22                  | 3,988                      | No. 22                        | 36                   | 75                   | 43                   | 3,988                       |
|  | A1244-4                     | 4                          |                               | 36                   | 75                   | 43                   | 4                           |
|  | A1244-NO21                  | 4,039                      | No. 21                        | 36                   | 75                   | 43                   | 4,039                       |
|  | A1244-NO20                  | 4,089                      | No. 20                        | 36                   | 75                   | 43                   | 4,089                       |
|  | A1244-4.1                   | 4,1                        |                               | 36                   | 75                   | 43                   | 4,1                         |
|  | A1244-4.2                   | 4,2                        |                               | 36                   | 75                   | 43                   | 4,2                         |
|  | A1244-NO19                  | 4,216                      | No. 19                        | 36                   | 75                   | 43                   | 4,216                       |
|  | A1244-4.3                   | 4,3                        |                               | 39                   | 80                   | 47                   | 4,3                         |
|  | A1244-NO18                  | 4,305                      | No. 18                        | 39                   | 80                   | 47                   | 4,305                       |
|  | A1244-11/64IN               | 4,366                      | 11/64"                        | 39                   | 80                   | 47                   | 4,366                       |
|  | A1244-NO17                  | 4,394                      | No. 17                        | 39                   | 80                   | 47                   | 4,394                       |
|  | A1244-4.4                   | 4,4                        |                               | 39                   | 80                   | 47                   | 4,4                         |
|  | A1244-NO16                  | 4,496                      | No. 16                        | 39                   | 80                   | 47                   | 4,496                       |
|  | A1244-4.5                   | 4,5                        |                               | 39                   | 80                   | 47                   | 4,5                         |
|  | A1244-NO15                  | 4,572                      | No. 15                        | 39                   | 80                   | 47                   | 4,572                       |
|  | A1244-4.6                   | 4,6                        |                               | 39                   | 80                   | 47                   | 4,6                         |
|  | A1244-NO14                  | 4,623                      | No. 14                        | 39                   | 80                   | 47                   | 4,623                       |
|  | A1244-NO13                  | 4,699                      | No. 13                        | 39                   | 80                   | 47                   | 4,699                       |
|  | A1244-4.7                   | 4,7                        |                               | 39                   | 80                   | 47                   | 4,7                         |
|  | A1244-3/16IN                | 4,763                      | 3/16"                         | 44                   | 86                   | 52                   | 4,763                       |
|  | A1244-4.8                   | 4,8                        |                               | 44                   | 86                   | 52                   | 4,8                         |
|  | A1244-NO12                  | 4,801                      | No. 12                        | 44                   | 86                   | 52                   | 4,801                       |
|  | A1244-NO11                  | 4,851                      | No. 11                        | 44                   | 86                   | 52                   | 4,851                       |
|  | A1244-4.9                   | 4,9                        |                               | 44                   | 86                   | 52                   | 4,9                         |
|  | A1244-NO10                  | 4,915                      | No. 10                        | 44                   | 86                   | 52                   | 4,915                       |
|  | A1244-NO9                   | 4,978                      | No. 09                        | 44                   | 86                   | 52                   | 4,978                       |
|  | A1244-5                     | 5                          |                               | 44                   | 86                   | 52                   | 5                           |
|  | A1244-NO8                   | 5,055                      | No. 08                        | 44                   | 86                   | 52                   | 5,055                       |
|  | A1244-5.1                   | 5,1                        |                               | 44                   | 86                   | 52                   | 5,1                         |
|  | A1244-NO7                   | 5,105                      | No. 07                        | 44                   | 86                   | 52                   | 5,105                       |
|  | A1244-13/64IN               | 5,159                      | 13/64"                        | 44                   | 86                   | 52                   | 5,159                       |
|  | A1244-NO6                   | 5,182                      | No. 06                        | 44                   | 86                   | 52                   | 5,182                       |
|  | A1244-5.2                   | 5,2                        |                               | 44                   | 86                   | 52                   | 5,2                         |
|  | A1244-NO5                   | 5,22                       | No. 05                        | 44                   | 86                   | 52                   | 5,22                        |
|  | A1244-5.3                   | 5,3                        |                               | 44                   | 86                   | 52                   | 5,3                         |

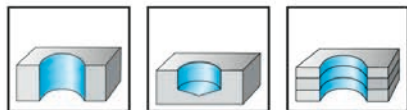
|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1244-N04                   | 5,309                      | No. 04                        | 48                   | 93                   | 57                   | 5,309                       |
|  | A1244-5.4                   | 5,4                        |                               | 48                   | 93                   | 57                   | 5,4                         |
|  | A1244-N03                   | 5,41                       | No. 03                        | 48                   | 93                   | 57                   | 5,41                        |
|  | A1244-5.5                   | 5,5                        |                               | 48                   | 93                   | 57                   | 5,5                         |
|  | A1244-7/32IN                | 5,556                      | 7/32"                         | 48                   | 93                   | 57                   | 5,556                       |
|  | A1244-5.6                   | 5,6                        |                               | 48                   | 93                   | 57                   | 5,6                         |
|  | A1244-N02                   | 5,613                      | No. 02                        | 48                   | 93                   | 57                   | 5,613                       |
|  | A1244-5.7                   | 5,7                        |                               | 48                   | 93                   | 57                   | 5,7                         |
|  | A1244-N01                   | 5,791                      | No. 01                        | 48                   | 93                   | 57                   | 5,791                       |
|  | A1244-5.8                   | 5,8                        |                               | 48                   | 93                   | 57                   | 5,8                         |
|  | A1244-5.9                   | 5,9                        |                               | 48                   | 93                   | 57                   | 5,9                         |
|  | A1244-15/64IN               | 5,953                      | 15/64"                        | 48                   | 93                   | 57                   | 5,953                       |
|  | A1244-6                     | 6                          |                               | 48                   | 93                   | 57                   | 6                           |
|  | A1244-6.1                   | 6,1                        |                               | 52                   | 101                  | 63                   | 6,1                         |
|  | A1244-6.2                   | 6,2                        |                               | 52                   | 101                  | 63                   | 6,2                         |
|  | A1244-6.3                   | 6,3                        |                               | 52                   | 101                  | 63                   | 6,3                         |
|  | A1244-1/4IN                 | 6,35                       | 1/4"                          | 52                   | 101                  | 63                   | 6,35                        |
|  | A1244-6.4                   | 6,4                        |                               | 52                   | 101                  | 63                   | 6,4                         |
|  | A1244-6.5                   | 6,5                        |                               | 52                   | 101                  | 63                   | 6,5                         |
|  | A1244-6.6                   | 6,6                        |                               | 52                   | 101                  | 63                   | 6,6                         |
|  | A1244-6.7                   | 6,7                        |                               | 52                   | 101                  | 63                   | 6,7                         |
|  | A1244-17/64IN               | 6,747                      | 17/64"                        | 57                   | 109                  | 69                   | 6,747                       |
|  | A1244-6.8                   | 6,8                        |                               | 57                   | 109                  | 69                   | 6,8                         |
|  | A1244-6.9                   | 6,9                        |                               | 57                   | 109                  | 69                   | 6,9                         |
|  | A1244-7                     | 7                          |                               | 57                   | 109                  | 69                   | 7                           |
|  | A1244-7.1                   | 7,1                        |                               | 57                   | 109                  | 69                   | 7,1                         |
|  | A1244-9/32IN                | 7,144                      | 9/32"                         | 57                   | 109                  | 69                   | 7,144                       |
|  | A1244-7.2                   | 7,2                        |                               | 57                   | 109                  | 69                   | 7,2                         |
|  | A1244-7.3                   | 7,3                        |                               | 57                   | 109                  | 69                   | 7,3                         |
|  | A1244-7.4                   | 7,4                        |                               | 57                   | 109                  | 69                   | 7,4                         |
|  | A1244-7.5                   | 7,5                        |                               | 57                   | 109                  | 69                   | 7,5                         |
|  | A1244-19/64IN               | 7,541                      | 19/64"                        | 62                   | 117                  | 75                   | 7,541                       |
|  | A1244-7.6                   | 7,6                        |                               | 62                   | 117                  | 75                   | 7,6                         |
|  | A1244-7.7                   | 7,7                        |                               | 62                   | 117                  | 75                   | 7,7                         |
|  | A1244-7.8                   | 7,8                        |                               | 62                   | 117                  | 75                   | 7,8                         |
|  | A1244-7.9                   | 7,9                        |                               | 62                   | 117                  | 75                   | 7,9                         |
|  | A1244-5/16IN                | 7,938                      | 5/16"                         | 62                   | 117                  | 75                   | 7,938                       |
|  | A1244-8                     | 8                          |                               | 62                   | 117                  | 75                   | 8                           |
|  | A1244-8.1                   | 8,1                        |                               | 62                   | 117                  | 75                   | 8,1                         |
|  | A1244-8.2                   | 8,2                        |                               | 62                   | 117                  | 75                   | 8,2                         |
|  | A1244-8.3                   | 8,3                        |                               | 62                   | 117                  | 75                   | 8,3                         |
|  | A1244-21/64IN               | 8,334                      | 21/64"                        | 62                   | 117                  | 75                   | 8,334                       |
|  | A1244-8.4                   | 8,4                        |                               | 62                   | 117                  | 75                   | 8,4                         |
|  | A1244-8.5                   | 8,5                        |                               | 62                   | 117                  | 75                   | 8,5                         |
|  | A1244-8.6                   | 8,6                        |                               | 66                   | 125                  | 81                   | 8,6                         |
|  | A1244-8.7                   | 8,7                        |                               | 66                   | 125                  | 81                   | 8,7                         |
|  | A1244-11/32IN               | 8,731                      | 11/32"                        | 66                   | 125                  | 81                   | 8,731                       |
|  | A1244-8.8                   | 8,8                        |                               | 66                   | 125                  | 81                   | 8,8                         |
|  | A1244-8.9                   | 8,9                        |                               | 66                   | 125                  | 81                   | 8,9                         |
|  | A1244-9                     | 9                          |                               | 66                   | 125                  | 81                   | 9                           |
|  | A1244-9.1                   | 9,1                        |                               | 66                   | 125                  | 81                   | 9,1                         |
|  | A1244-23/64IN               | 9,128                      | 23/64"                        | 66                   | 125                  | 81                   | 9,128                       |
|  | A1244-9.2                   | 9,2                        |                               | 66                   | 125                  | 81                   | 9,2                         |
|  | A1244-9.3                   | 9,3                        |                               | 66                   | 125                  | 81                   | 9,3                         |
|  | A1244-9.4                   | 9,4                        |                               | 66                   | 125                  | 81                   | 9,4                         |
|  | A1244-9.5                   | 9,5                        |                               | 66                   | 125                  | 81                   | 9,5                         |
|  | A1244-3/8IN                 | 9,525                      | 3/8"                          | 71                   | 133                  | 87                   | 9,525                       |
|  | A1244-9.6                   | 9,6                        |                               | 71                   | 133                  | 87                   | 9,6                         |

|   | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Queue cylindrique</p>  | A1244-9.7                   | 9,7                        |                               | 71                   | 133                  | 87                   | 9,7                         |
|   | A1244-9.8                   | 9,8                        |                               | 71                   | 133                  | 87                   | 9,8                         |
|   | A1244-9.9                   | 9,9                        |                               | 71                   | 133                  | 87                   | 9,9                         |
|   | A1244-25/64IN               | 9,922                      | 25/64"                        | 71                   | 133                  | 87                   | 9,922                       |
|   | A1244-10                    | 10                         |                               | 71                   | 133                  | 87                   | 10                          |
|   | A1244-10.2                  | 10,2                       |                               | 71                   | 133                  | 87                   | 10,2                        |
|   | A1244-13/32IN               | 10,319                     | 13/32"                        | 71                   | 133                  | 87                   | 10,319                      |
|   | A1244-10.5                  | 10,5                       |                               | 71                   | 133                  | 87                   | 10,5                        |
|   | A1244-27/64IN               | 10,716                     | 27/64"                        | 76                   | 142                  | 94                   | 10,716                      |
|   | A1244-11                    | 11                         |                               | 76                   | 142                  | 94                   | 11                          |
|   | A1244-7/16IN                | 11,113                     | 7/16"                         | 76                   | 142                  | 94                   | 11,113                      |
|   | A1244-11.2                  | 11,2                       |                               | 76                   | 142                  | 94                   | 11,2                        |
|   | A1244-11.5                  | 11,5                       |                               | 76                   | 142                  | 94                   | 11,5                        |
|   | A1244-29/64IN               | 11,509                     | 29/64"                        | 76                   | 142                  | 94                   | 11,509                      |
|   | A1244-15/32IN               | 11,906                     | 15/32"                        | 87                   | 151                  | 101                  | 11,906                      |
|   | A1244-12                    | 12                         |                               | 87                   | 151                  | 101                  | 12                          |
|   | A1244-31/64IN               | 12,303                     | 31/64"                        | 87                   | 151                  | 101                  | 12,303                      |
|   | A1244-12.5                  | 12,5                       |                               | 87                   | 151                  | 101                  | 12,5                        |
|   | A1244-1/2IN                 | 12,7                       | 1/2"                          | 87                   | 151                  | 101                  | 12,7                        |
|   | A1244-13                    | 13                         |                               | 87                   | 151                  | 101                  | 13                          |
|   | A1244-33/64IN               | 13,097                     | 33/64"                        | 87                   | 151                  | 101                  | 13,097                      |
|   | A1244-17/32IN               | 13,494                     | 17/32"                        | 94                   | 160                  | 108                  | 13,494                      |
|   | A1244-13.5                  | 13,5                       |                               | 94                   | 160                  | 108                  | 13,5                        |
|   | A1244-35/64IN               | 13,891                     | 35/64"                        | 94                   | 160                  | 108                  | 13,891                      |
|   | A1244-14                    | 14                         |                               | 94                   | 160                  | 108                  | 14                          |
| A1244-9/16IN  | 14,288                      | 9/16"                      | 99                            | 169                  | 114                  | 14,288               |                             |
| A1244-14.5  | 14,5                        |                            | 99                            | 169                  | 114                  | 14,5                 |                             |
| A1244-15  | 15                          |                            | 99                            | 169                  | 114                  | 15                   |                             |

# Foret hélicoïdal en HSS A1211 / A1211TIN

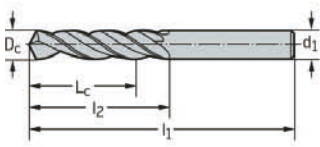


- Disponible en coffret  
- Type N

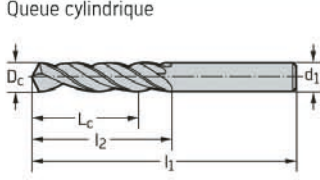


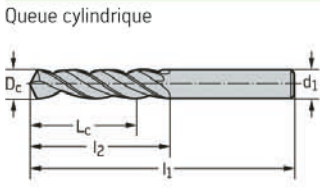
|                 | P | M | K | N | S | H | O |
|-----------------|---|---|---|---|---|---|---|
| TIN             | ● | ● | ● | ● | ● | ● | ● |
| sans revêtement | ● | ● | ● | ● | ● | ● | ● |

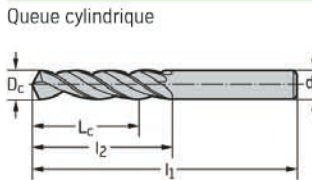
|                          | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |       |
|--------------------------|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|-------|
| <p>Queue cylindrique</p> |                    | A1211-0.2                      | 0,2                        |                                  | 2,1                  | 19                   | 2,5                  | 0,2                         |       |
|                          |                    |                                | A1211-0.22                 | 0,22                             |                      | 2,1                  | 19                   | 2,5                         | 0,22  |
|                          |                    |                                | A1211-0.23                 | 0,23                             |                      | 2,1                  | 19                   | 2,5                         | 0,23  |
|                          |                    |                                | A1211-0.25                 | 0,25                             |                      | 2,5                  | 19                   | 3                           | 0,25  |
|                          |                    |                                | A1211-0.27                 | 0,27                             |                      | 2,5                  | 19                   | 3                           | 0,27  |
|                          |                    |                                | A1211-0.28                 | 0,28                             |                      | 2,5                  | 19                   | 3                           | 0,28  |
|                          |                    |                                | A1211-0.29                 | 0,29                             |                      | 2,5                  | 19                   | 3                           | 0,29  |
|                          |                    |                                | A1211-0.3                  | 0,3                              |                      | 2,5                  | 19                   | 3                           | 0,3   |
|                          |                    |                                | A1211-0.31                 | 0,31                             |                      | 3,4                  | 19                   | 4                           | 0,31  |
|                          |                    |                                | A1211-N082                 | 0,318                            | No. 82               | 3,4                  | 19                   | 4                           | 0,318 |
|                          |                    |                                | A1211-0.32                 | 0,32                             |                      | 3,4                  | 19                   | 4                           | 0,32  |
|                          |                    |                                | A1211-0.33                 | 0,33                             | No. 81               | 3,4                  | 19                   | 4                           | 0,33  |
|                          |                    |                                | A1211-0.34                 | 0,34                             |                      | 3,4                  | 19                   | 4                           | 0,34  |
|                          |                    |                                | A1211-N080                 | 0,343                            | No. 80               | 3,4                  | 19                   | 4                           | 0,343 |
|                          |                    |                                | A1211-0.35                 | 0,35                             |                      | 3,4                  | 19                   | 4                           | 0,35  |
|                          |                    |                                | A1211-N079                 | 0,368                            | No. 79               | 3,4                  | 19                   | 4                           | 0,368 |
|                          |                    |                                | A1211-0.38                 | 0,38                             |                      | 3,4                  | 19                   | 4                           | 0,38  |
|                          |                    |                                | A1211-1/64IN               | 0,397                            | 1/64"                | 4,2                  | 20                   | 5                           | 0,397 |
|                          |                    |                                | A1211-0.4                  | 0,4                              |                      | 4,2                  | 20                   | 5                           | 0,4   |
|                          |                    |                                | A1211-N078                 | 0,406                            | No. 78               | 4,2                  | 20                   | 5                           | 0,406 |
|                          |                    |                                | A1211-0.42                 | 0,42                             |                      | 4,2                  | 20                   | 5                           | 0,42  |
|                          |                    |                                | A1211-0.43                 | 0,43                             |                      | 4,2                  | 20                   | 5                           | 0,43  |
|                          |                    |                                | A1211-0.45                 | 0,45                             |                      | 4,2                  | 20                   | 5                           | 0,45  |
|                          |                    |                                | A1211-N077                 | 0,457                            | No. 77               | 4,2                  | 20                   | 5                           | 0,457 |
|                          |                    |                                | A1211-0.47                 | 0,47                             |                      | 4,2                  | 20                   | 5                           | 0,47  |
|                          |                    |                                | A1211-0.48                 | 0,48                             |                      | 4,2                  | 20                   | 5                           | 0,48  |
|                          |                    |                                | A1211-0.49                 | 0,49                             |                      | 5,2                  | 22                   | 6                           | 0,49  |
|                          |                    | A1211TIN-0.5                   | A1211-0.5                  | 0,5                              |                      | 5,2                  | 22                   | 6                           | 0,5   |
|                          |                    |                                | A1211-N076                 | 0,508                            | No. 76               | 5,2                  | 22                   | 6                           | 0,508 |
|                          |                    |                                | A1211-0.51                 | 0,51                             |                      | 5,2                  | 22                   | 6                           | 0,51  |
|                          |                    |                                | A1211-0.52                 | 0,52                             |                      | 5,2                  | 22                   | 6                           | 0,52  |
|                          |                    |                                | A1211-0.53                 | 0,53                             |                      | 5,2                  | 22                   | 6                           | 0,53  |
|                          |                    |                                | A1211-N075                 | 0,533                            | No. 75               | 6,1                  | 24                   | 7                           | 0,533 |
|                          |                    |                                | A1211-0.54                 | 0,54                             |                      | 6,1                  | 24                   | 7                           | 0,54  |
|                          |                    |                                | A1211-0.55                 | 0,55                             |                      | 6,1                  | 24                   | 7                           | 0,55  |
|                          |                    |                                | A1211-0.57                 | 0,57                             |                      | 6,1                  | 24                   | 7                           | 0,57  |
|                          |                    |                                | A1211-N074                 | 0,572                            | No. 74               | 6,1                  | 24                   | 7                           | 0,572 |
|                          |                    |                                | A1211-0.58                 | 0,58                             |                      | 6,1                  | 24                   | 7                           | 0,58  |
|                          |                    |                                | A1211-0.59                 | 0,59                             |                      | 6,1                  | 24                   | 7                           | 0,59  |
|                          |                    | A1211TIN-0.6                   | A1211-0.6                  | 0,6                              |                      | 6,1                  | 24                   | 7                           | 0,6   |
|                          |                    |                                | A1211-N073                 | 0,61                             | No. 73               | 6,9                  | 26                   | 8                           | 0,61  |
|                          |                    |                                | A1211-0.62                 | 0,62                             |                      | 6,9                  | 26                   | 8                           | 0,62  |
|                          |                    |                                | A1211-0.63                 | 0,63                             |                      | 6,9                  | 26                   | 8                           | 0,63  |
|                          |                    |                                | A1211-N072                 | 0,635                            | No. 72               | 6,9                  | 26                   | 8                           | 0,635 |
|                          |                    |                                | A1211-0.65                 | 0,65                             |                      | 6,9                  | 26                   | 8                           | 0,65  |
|                          |                    |                                | A1211-N071                 | 0,66                             | No. 71               | 6,9                  | 26                   | 8                           | 0,66  |
|                          |                    |                                | A1211-0.67                 | 0,67                             |                      | 6,9                  | 26                   | 8                           | 0,67  |
|                          |                    |                                | A1211-0.68                 | 0,68                             |                      | 7,8                  | 28                   | 9                           | 0,68  |

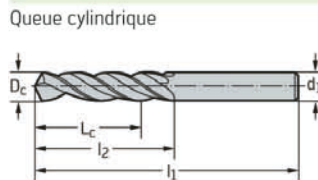
|   | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Queue cylindrique</p>  | A1211TIN-0.7       | A1211-0.7                      | 0,7                        |                                  | 7,8                  | 28                   | 9                    | 0,7                         |
|   |                    | A1211-N070                     | 0,711                      | No. 70                           | 7,8                  | 28                   | 9                    | 0,711                       |
|   |                    | A1211-0.72                     | 0,72                       |                                  | 7,8                  | 28                   | 9                    | 0,72                        |
|   |                    | A1211-0.73                     | 0,73                       |                                  | 7,8                  | 28                   | 9                    | 0,73                        |
|   |                    | A1211-N069                     | 0,742                      | No. 69                           | 7,8                  | 28                   | 9                    | 0,742                       |
|   |                    | A1211-0.75                     | 0,75                       |                                  | 7,8                  | 28                   | 9                    | 0,75                        |
|   |                    | A1211-0.76                     | 0,76                       |                                  | 8,7                  | 30                   | 10                   | 0,76                        |
|   |                    | A1211-0.78                     | 0,78                       |                                  | 8,7                  | 30                   | 10                   | 0,78                        |
|   |                    | A1211-N068                     | 0,787                      | No. 68                           | 8,7                  | 30                   | 10                   | 0,787                       |
|   |                    | A1211-1/32IN                   | 0,794                      | 1/32"                            | 8,7                  | 30                   | 10                   | 0,794                       |
|   | A1211TIN-0.8       | A1211-0.8                      | 0,8                        |                                  | 8,7                  | 30                   | 10                   | 0,8                         |
|   |                    | A1211-0.81                     | 0,81                       |                                  | 8,7                  | 30                   | 10                   | 0,81                        |
|   |                    | A1211-N067                     | 0,813                      | No. 67                           | 8,7                  | 30                   | 10                   | 0,813                       |
|   |                    | A1211-0.82                     | 0,82                       |                                  | 8,7                  | 30                   | 10                   | 0,82                        |
|   |                    | A1211-0.83                     | 0,83                       |                                  | 8,7                  | 30                   | 10                   | 0,83                        |
|   |                    | A1211-N066                     | 0,838                      | No. 66                           | 8,7                  | 30                   | 10                   | 0,838                       |
|   |                    | A1211-0.85                     | 0,85                       |                                  | 8,7                  | 30                   | 10                   | 0,85                        |
|   |                    | A1211-0.87                     | 0,87                       |                                  | 9,5                  | 32                   | 11                   | 0,87                        |
|   |                    | A1211-0.88                     | 0,88                       |                                  | 9,5                  | 32                   | 11                   | 0,88                        |
|   |                    | A1211-N065                     | 0,889                      | No. 65                           | 9,5                  | 32                   | 11                   | 0,889                       |
| A1211TIN-0.9  | A1211-0.9          | 0,9                            |                            | 9,5                              | 32                   | 11                   | 0,9                  |                             |
|   | A1211-0.91         | 0,91                           |                            | 9,5                              | 32                   | 11                   | 0,91                 |                             |
|   | A1211-N064         | 0,914                          | No. 64                     | 9,5                              | 32                   | 11                   | 0,914                |                             |
|   | A1211-0.92         | 0,92                           |                            | 9,5                              | 32                   | 11                   | 0,92                 |                             |
|   | A1211-N063         | 0,94                           | No. 63                     | 9,5                              | 32                   | 11                   | 0,94                 |                             |
|   | A1211-0.95         | 0,95                           |                            | 9,5                              | 32                   | 11                   | 0,95                 |                             |
|   | A1211-0.96         | 0,96                           |                            | 10                               | 34                   | 12                   | 0,96                 |                             |
|   | A1211-N062         | 0,965                          | No. 62                     | 10                               | 34                   | 12                   | 0,965                |                             |
|   | A1211-0.97         | 0,97                           |                            | 10                               | 34                   | 12                   | 0,97                 |                             |
|   | A1211-0.98         | 0,98                           |                            | 10                               | 34                   | 12                   | 0,98                 |                             |
|   | A1211-0.99         | 0,99                           |                            | 10                               | 34                   | 12                   | 0,99                 |                             |
|   | A1211-N061         | 0,991                          | No. 61                     | 10                               | 34                   | 12                   | 0,991                |                             |
| A1211TIN-1  | A1211-1            | 1                              |                            | 10                               | 34                   | 12                   | 1                    |                             |
|   | A1211-1.01         | 1,01                           |                            | 10                               | 34                   | 12                   | 1,01                 |                             |
|   | A1211-N060         | 1,016                          | No. 60                     | 10                               | 34                   | 12                   | 1,016                |                             |
|   | A1211-1.02         | 1,02                           |                            | 10                               | 34                   | 12                   | 1,02                 |                             |
|   | A1211-1.03         | 1,03                           |                            | 10                               | 34                   | 12                   | 1,03                 |                             |
|   | A1211-1.04         | 1,04                           |                            | 10                               | 34                   | 12                   | 1,04                 |                             |
|   | A1211-N059         | 1,041                          | No. 59                     | 10                               | 34                   | 12                   | 1,041                |                             |
|   | A1211-1.05         | 1,05                           |                            | 10                               | 34                   | 12                   | 1,05                 |                             |
|   | A1211-N058         | 1,067                          | No. 58                     | 12                               | 36                   | 14                   | 1,067                |                             |
|   | A1211-N057         | 1,092                          | No. 57                     | 12                               | 36                   | 14                   | 1,092                |                             |
| A1211TIN-1.1  | A1211-1.1          | 1,1                            |                            | 12                               | 36                   | 14                   | 1,1                  |                             |
|   | A1211-1.12         | 1,12                           |                            | 12                               | 36                   | 14                   | 1,12                 |                             |
|   | A1211-1.13         | 1,13                           |                            | 12                               | 36                   | 14                   | 1,13                 |                             |
|   | A1211-1.15         | 1,15                           |                            | 12                               | 36                   | 14                   | 1,15                 |                             |
|   | A1211-1.18         | 1,18                           |                            | 12                               | 36                   | 14                   | 1,18                 |                             |
|   | A1211-N056         | 1,181                          | No. 56                     | 14                               | 38                   | 16                   | 1,181                |                             |
|   | A1211-3/64IN       | 1,191                          | 3/64"                      | 14                               | 38                   | 16                   | 1,191                |                             |
| A1211TIN-1.2  | A1211-1.2          | 1,2                            |                            | 14                               | 38                   | 16                   | 1,2                  |                             |
|   | A1211-1.21         | 1,21                           |                            | 14                               | 38                   | 16                   | 1,21                 |                             |
|   | A1211-1.22         | 1,22                           |                            | 14                               | 38                   | 16                   | 1,22                 |                             |
|   | A1211-1.23         | 1,23                           |                            | 14                               | 38                   | 16                   | 1,23                 |                             |
|   | A1211-1.24         | 1,24                           |                            | 14                               | 38                   | 16                   | 1,24                 |                             |
|   | A1211-1.25         | 1,25                           |                            | 14                               | 38                   | 16                   | 1,25                 |                             |
|   | A1211-1.27         | 1,27                           |                            | 14                               | 38                   | 16                   | 1,27                 |                             |
|   | A1211-1.28         | 1,28                           |                            | 14                               | 38                   | 16                   | 1,28                 |                             |
| A1211TIN-1.3  | A1211-1.3          | 1,3                            |                            | 14                               | 38                   | 16                   | 1,3                  |                             |



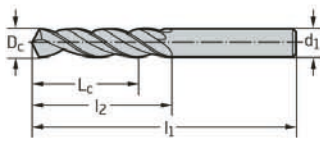
|   | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Queue cylindrique</p>  |                    | A1211-N055                     | 1,321                      | No. 55                           | 15                   | 40                   | 18                   | 1,321                       |
|   |                    | A1211-1.33                     | 1,33                       |                                  | 15                   | 40                   | 18                   | 1,33                        |
|   |                    | A1211-1.35                     | 1,35                       |                                  | 15                   | 40                   | 18                   | 1,35                        |
|   |                    | A1211-1.36                     | 1,36                       |                                  | 15                   | 40                   | 18                   | 1,36                        |
|   |                    | A1211-1.37                     | 1,37                       |                                  | 15                   | 40                   | 18                   | 1,37                        |
|   |                    | A1211-N054                     | 1,397                      | No. 54                           | 15                   | 40                   | 18                   | 1,397                       |
|   | A1211TIN-1.4       | A1211-1.4                      | 1,4                        |                                  | 15                   | 40                   | 18                   | 1,4                         |
|   |                    | A1211-1.42                     | 1,42                       |                                  | 15                   | 40                   | 18                   | 1,42                        |
|   |                    | A1211-1.43                     | 1,43                       |                                  | 15                   | 40                   | 18                   | 1,43                        |
|   |                    | A1211-1.45                     | 1,45                       |                                  | 15                   | 40                   | 18                   | 1,45                        |
|   | A1211-1.49         | 1,49                           |                            | 15                               | 40                   | 18                   | 1,49                 |                             |
| A1211TIN-1.5  | A1211-1.5          | 1,5                            |                            | 15                               | 40                   | 18                   | 1,5                  |                             |
|   | A1211-1.51         | 1,51                           |                            | 17                               | 43                   | 20                   | 1,51                 |                             |
|   | A1211-N053         | 1,511                          | No. 53                     | 17                               | 43                   | 20                   | 1,511                |                             |
|   | A1211-1.52         | 1,52                           |                            | 17                               | 43                   | 20                   | 1,52                 |                             |
|   | A1211-1.53         | 1,53                           |                            | 17                               | 43                   | 20                   | 1,53                 |                             |
|   | A1211-1.55         | 1,55                           |                            | 17                               | 43                   | 20                   | 1,55                 |                             |
|   | A1211-1.57         | 1,57                           |                            | 17                               | 43                   | 20                   | 1,57                 |                             |
|   | A1211-1/16IN       | 1,588                          | 1/16"                      | 17                               | 43                   | 20                   | 1,588                |                             |
| A1211TIN-1.6  | A1211-1.6          | 1,6                            |                            | 17                               | 43                   | 20                   | 1,6                  |                             |
|   | A1211-N052         | 1,613                          | No. 52                     | 17                               | 43                   | 20                   | 1,613                |                             |
|   | A1211-1.63         | 1,63                           |                            | 17                               | 43                   | 20                   | 1,63                 |                             |
|   | A1211-1.65         | 1,65                           |                            | 17                               | 43                   | 20                   | 1,65                 |                             |
| A1211TIN-1.7  | A1211-1.7          | 1,7                            |                            | 17                               | 43                   | 20                   | 1,7                  |                             |
|   | A1211-N051         | 1,702                          | No. 51                     | 19                               | 46                   | 22                   | 1,702                |                             |
|   | A1211-1.75         | 1,75                           |                            | 19                               | 46                   | 22                   | 1,75                 |                             |
|   | A1211-N050         | 1,778                          | No. 50                     | 19                               | 46                   | 22                   | 1,778                |                             |
| A1211TIN-1.8  | A1211-1.8          | 1,8                            |                            | 19                               | 46                   | 22                   | 1,8                  |                             |
|   | A1211-1.85         | 1,85                           |                            | 19                               | 46                   | 22                   | 1,85                 |                             |
|   | A1211-N049         | 1,854                          | No. 49                     | 19                               | 46                   | 22                   | 1,854                |                             |
| A1211TIN-1.9  | A1211-1.9          | 1,9                            |                            | 19                               | 46                   | 22                   | 1,9                  |                             |
|   | A1211-N048         | 1,93                           | No. 48                     | 20                               | 49                   | 24                   | 1,93                 |                             |
|   | A1211-1.95         | 1,95                           |                            | 20                               | 49                   | 24                   | 1,95                 |                             |
|   | A1211-5/64IN       | 1,984                          | 5/64"                      | 20                               | 49                   | 24                   | 1,984                |                             |
|   | A1211-N047         | 1,994                          | No. 47                     | 20                               | 49                   | 24                   | 1,994                |                             |
| A1211TIN-2  | A1211-2            | 2                              |                            | 20                               | 49                   | 24                   | 2                    |                             |
|   | A1211-2.05         | 2,05                           |                            | 20                               | 49                   | 24                   | 2,05                 |                             |
|   | A1211-N046         | 2,057                          | No. 46                     | 20                               | 49                   | 24                   | 2,057                |                             |
|   | A1211-N045         | 2,083                          | No. 45                     | 20                               | 49                   | 24                   | 2,083                |                             |
| A1211TIN-2.1  | A1211-2.1          | 2,1                            |                            | 20                               | 49                   | 24                   | 2,1                  |                             |
|   | A1211-2.15         | 2,15                           |                            | 23                               | 53                   | 27                   | 2,15                 |                             |
|   | A1211-N044         | 2,184                          | No. 44                     | 23                               | 53                   | 27                   | 2,184                |                             |
| A1211TIN-2.2  | A1211-2.2          | 2,2                            |                            | 23                               | 53                   | 27                   | 2,2                  |                             |
|   | A1211-2.25         | 2,25                           |                            | 23                               | 53                   | 27                   | 2,25                 |                             |
|   | A1211-N043         | 2,261                          | No. 43                     | 23                               | 53                   | 27                   | 2,261                |                             |
| A1211TIN-2.3  | A1211-2.3          | 2,3                            |                            | 23                               | 53                   | 27                   | 2,3                  |                             |
|   | A1211-2.35         | 2,35                           |                            | 23                               | 53                   | 27                   | 2,35                 |                             |
|   | A1211-N042         | 2,375                          | No. 42                     | 26                               | 57                   | 30                   | 2,375                |                             |
|   | A1211-3/32IN       | 2,381                          | 3/32"                      | 26                               | 57                   | 30                   | 2,381                |                             |
| A1211TIN-2.4  | A1211-2.4          | 2,4                            |                            | 26                               | 57                   | 30                   | 2,4                  |                             |
|   | A1211-N041         | 2,438                          | No. 41                     | 26                               | 57                   | 30                   | 2,438                |                             |
|   | A1211-2.45         | 2,45                           |                            | 26                               | 57                   | 30                   | 2,45                 |                             |
|   | A1211-N040         | 2,489                          | No. 40                     | 26                               | 57                   | 30                   | 2,489                |                             |
| A1211TIN-2.5  | A1211-2.5          | 2,5                            |                            | 26                               | 57                   | 30                   | 2,5                  |                             |
|   | A1211-N039         | 2,527                          | No. 39                     | 26                               | 57                   | 30                   | 2,527                |                             |
|   | A1211-2.55         | 2,55                           |                            | 26                               | 57                   | 30                   | 2,55                 |                             |
|   | A1211-N038         | 2,578                          | No. 38                     | 26                               | 57                   | 30                   | 2,578                |                             |
| A1211TIN-2.6  | A1211-2.6          | 2,6                            |                            | 26                               | 57                   | 30                   | 2,6                  |                             |
|   | A1211-N037         | 2,642                          | No. 37                     | 26                               | 57                   | 30                   | 2,642                |                             |
|   | A1211-2.65         | 2,65                           |                            | 26                               | 57                   | 30                   | 2,65                 |                             |
| A1211TIN-2.7  | A1211-2.7          | 2,7                            |                            | 28                               | 61                   | 33                   | 2,7                  |                             |
|   | A1211-N036         | 2,705                          | No. 36                     | 28                               | 61                   | 33                   | 2,705                |                             |

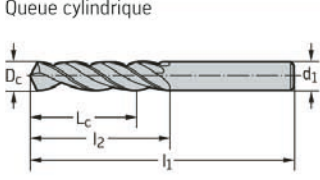
|  | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  |                    | A1211-2.75                     | 2,75                       |                                  | 28                   | 61                   | 33                   | 2,75                        |
|  |                    | A1211-7/64IN                   | 2,778                      | 7/64"                            | 28                   | 61                   | 33                   | 2,778                       |
|  |                    | A1211-NO35                     | 2,794                      | No. 35                           | 28                   | 61                   | 33                   | 2,794                       |
|  | A1211TIN-2.8       | A1211-2.8                      | 2,8                        |                                  | 28                   | 61                   | 33                   | 2,8                         |
|  |                    | A1211-NO34                     | 2,819                      | No. 34                           | 28                   | 61                   | 33                   | 2,819                       |
|  |                    | A1211-2.85                     | 2,85                       |                                  | 28                   | 61                   | 33                   | 2,85                        |
|  |                    | A1211-NO33                     | 2,87                       | No. 33                           | 28                   | 61                   | 33                   | 2,87                        |
| A1211TIN-2.9   | A1211-2.9          | 2,9                            |                            | 28                               | 61                   | 33                   | 2,9                  |                             |
|  |                    | A1211-NO32                     | 2,946                      | No. 32                           | 28                   | 61                   | 33                   | 2,946                       |
|  |                    | A1211-2.95                     | 2,95                       |                                  | 28                   | 61                   | 33                   | 2,95                        |
| A1211TIN-3   | A1211-3            | 3                              |                            | 28                               | 61                   | 33                   | 3                    |                             |
|  |                    | A1211-NO31                     | 3,048                      | No. 31                           | 30                   | 65                   | 36                   | 3,048                       |
|  |                    | A1211-3.05                     | 3,05                       |                                  | 30                   | 65                   | 36                   | 3,05                        |
| A1211TIN-3.1   | A1211-3.1          | 3,1                            |                            | 30                               | 65                   | 36                   | 3,1                  |                             |
|  |                    | A1211-3.15                     | 3,15                       |                                  | 30                   | 65                   | 36                   | 3,15                        |
|  |                    | A1211-1/8IN                    | 3,175                      | 1/8"                             | 30                   | 65                   | 36                   | 3,175                       |
| A1211TIN-3.2   | A1211-3.2          | 3,2                            |                            | 30                               | 65                   | 36                   | 3,2                  |                             |
|  |                    | A1211-3.25                     | 3,25                       |                                  | 30                   | 65                   | 36                   | 3,25                        |
|  |                    | A1211-NO30                     | 3,264                      | No. 30                           | 30                   | 65                   | 36                   | 3,264                       |
| A1211TIN-3.3   | A1211-3.3          | 3,3                            |                            | 30                               | 65                   | 36                   | 3,3                  |                             |
|  |                    | A1211-3.35                     | 3,35                       |                                  | 30                   | 65                   | 36                   | 3,35                        |
| A1211TIN-3.4   | A1211-3.4          | 3,4                            |                            | 33                               | 70                   | 39                   | 3,4                  |                             |
|  |                    | A1211-3.45                     | 3,45                       |                                  | 33                   | 70                   | 39                   | 3,45                        |
|  |                    | A1211-NO29                     | 3,454                      | No. 29                           | 33                   | 70                   | 39                   | 3,454                       |
| A1211TIN-3.5   | A1211-3.5          | 3,5                            |                            | 33                               | 70                   | 39                   | 3,5                  |                             |
|  |                    | A1211-3.55                     | 3,55                       |                                  | 33                   | 70                   | 39                   | 3,55                        |
|  |                    | A1211-NO28                     | 3,569                      | No. 28                           | 33                   | 70                   | 39                   | 3,569                       |
|  |                    | A1211-9/64IN                   | 3,572                      | 9/64"                            | 33                   | 70                   | 39                   | 3,572                       |
| A1211TIN-3.6   | A1211-3.6          | 3,6                            |                            | 33                               | 70                   | 39                   | 3,6                  |                             |
|  |                    | A1211-3.65                     | 3,65                       |                                  | 33                   | 70                   | 39                   | 3,65                        |
|  |                    | A1211-NO27                     | 3,658                      | No. 27                           | 33                   | 70                   | 39                   | 3,658                       |
| A1211TIN-3.7   | A1211-3.7          | 3,7                            |                            | 33                               | 70                   | 39                   | 3,7                  |                             |
|  |                    | A1211-NO26                     | 3,734                      | No. 26                           | 33                   | 70                   | 39                   | 3,734                       |
|  |                    | A1211-3.75                     | 3,75                       |                                  | 33                   | 70                   | 39                   | 3,75                        |
|  |                    | A1211-NO25                     | 3,797                      | No. 25                           | 36                   | 75                   | 43                   | 3,797                       |
| A1211TIN-3.8   | A1211-3.8          | 3,8                            |                            | 36                               | 75                   | 43                   | 3,8                  |                             |
|  |                    | A1211-NO24                     | 3,861                      | No. 24                           | 36                   | 75                   | 43                   | 3,861                       |
| A1211TIN-3.9   | A1211-3.9          | 3,9                            |                            | 36                               | 75                   | 43                   | 3,9                  |                             |
|  |                    | A1211-NO23                     | 3,912                      | No. 23                           | 36                   | 75                   | 43                   | 3,912                       |
|  |                    | A1211-3.95                     | 3,95                       |                                  | 36                   | 75                   | 43                   | 3,95                        |
|  |                    | A1211-5/32IN                   | 3,969                      | 5/32"                            | 36                   | 75                   | 43                   | 3,969                       |
|  |                    | A1211-NO22                     | 3,988                      | No. 22                           | 36                   | 75                   | 43                   | 3,988                       |
| A1211TIN-4   | A1211-4            | 4                              |                            | 36                               | 75                   | 43                   | 4                    |                             |
|  |                    | A1211-NO21                     | 4,039                      | No. 21                           | 36                   | 75                   | 43                   | 4,039                       |
|  |                    | A1211-4.05                     | 4,05                       |                                  | 36                   | 75                   | 43                   | 4,05                        |
|  |                    | A1211-NO20                     | 4,089                      | No. 20                           | 36                   | 75                   | 43                   | 4,089                       |
| A1211TIN-4.1   | A1211-4.1          | 4,1                            |                            | 36                               | 75                   | 43                   | 4,1                  |                             |
|  |                    | A1211-4.15                     | 4,15                       |                                  | 36                   | 75                   | 43                   | 4,15                        |
| A1211TIN-4.2   | A1211-4.2          | 4,2                            |                            | 36                               | 75                   | 43                   | 4,2                  |                             |
|  |                    | A1211-NO19                     | 4,216                      | No. 19                           | 36                   | 75                   | 43                   | 4,216                       |
|  |                    | A1211-4.25                     | 4,25                       |                                  | 36                   | 75                   | 43                   | 4,25                        |
| A1211TIN-4.3   | A1211-4.3          | 4,3                            |                            | 39                               | 80                   | 47                   | 4,3                  |                             |
|  |                    | A1211-NO18                     | 4,305                      | No. 18                           | 39                   | 80                   | 47                   | 4,305                       |
|  |                    | A1211-4.35                     | 4,35                       |                                  | 39                   | 80                   | 47                   | 4,35                        |
|  |                    | A1211-11/64IN                  | 4,366                      | 11/64"                           | 39                   | 80                   | 47                   | 4,366                       |
|  |                    | A1211-NO17                     | 4,394                      | No. 17                           | 39                   | 80                   | 47                   | 4,394                       |
| A1211TIN-4.4   | A1211-4.4          | 4,4                            |                            | 39                               | 80                   | 47                   | 4,4                  |                             |
|  |                    | A1211-4.45                     | 4,45                       |                                  | 39                   | 80                   | 47                   | 4,45                        |

|  | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1211TIN-4.5       | A1211-NO16                     | 4,496                      | No. 16                           | 39                   | 80                   | 47                   | 4,496                       |
|  |                    | A1211-4.5                      | 4,5                        |                                  | 39                   | 80                   | 47                   | 4,5                         |
|  |                    | A1211-4.55                     | 4,55                       |                                  | 39                   | 80                   | 47                   | 4,55                        |
|  |                    | A1211-NO15                     | 4,572                      | No. 15                           | 39                   | 80                   | 47                   | 4,572                       |
|  | A1211TIN-4.6       | A1211-4.6                      | 4,6                        |                                  | 39                   | 80                   | 47                   | 4,6                         |
|  |                    | A1211-NO14                     | 4,623                      | No. 14                           | 39                   | 80                   | 47                   | 4,623                       |
|  |                    | A1211-4.65                     | 4,65                       |                                  | 39                   | 80                   | 47                   | 4,65                        |
|  |                    | A1211-NO13                     | 4,699                      | No. 13                           | 39                   | 80                   | 47                   | 4,699                       |
|  | A1211TIN-4.7       | A1211-4.7                      | 4,7                        |                                  | 39                   | 80                   | 47                   | 4,7                         |
|  |                    | A1211-4.75                     | 4,75                       |                                  | 39                   | 80                   | 47                   | 4,75                        |
|  |                    | A1211-3/16IN                   | 4,763                      | 3/16"                            | 44                   | 86                   | 52                   | 4,763                       |
|  | A1211TIN-4.8       | A1211-4.8                      | 4,8                        |                                  | 44                   | 86                   | 52                   | 4,8                         |
|  |                    | A1211-NO12                     | 4,801                      | No. 12                           | 44                   | 86                   | 52                   | 4,801                       |
|  |                    | A1211-4.85                     | 4,85                       |                                  | 44                   | 86                   | 52                   | 4,85                        |
|  |                    | A1211-NO11                     | 4,851                      | No. 11                           | 44                   | 86                   | 52                   | 4,851                       |
|  | A1211TIN-4.9       | A1211-4.9                      | 4,9                        |                                  | 44                   | 86                   | 52                   | 4,9                         |
|  |                    | A1211-NO10                     | 4,915                      | No. 10                           | 44                   | 86                   | 52                   | 4,915                       |
|  |                    | A1211-4.95                     | 4,95                       |                                  | 44                   | 86                   | 52                   | 4,95                        |
|  |                    | A1211-NO9                      | 4,978                      | No. 09                           | 44                   | 86                   | 52                   | 4,978                       |
|  | A1211TIN-5         | A1211-5                        | 5                          |                                  | 44                   | 86                   | 52                   | 5                           |
|  |                    | A1211-5.05                     | 5,05                       |                                  | 44                   | 86                   | 52                   | 5,05                        |
|  |                    | A1211-NO8                      | 5,055                      | No. 08                           | 44                   | 86                   | 52                   | 5,055                       |
|  | A1211TIN-5.1       | A1211-5.1                      | 5,1                        |                                  | 44                   | 86                   | 52                   | 5,1                         |
|  |                    | A1211-NO7                      | 5,105                      | No. 07                           | 44                   | 86                   | 52                   | 5,105                       |
|  |                    | A1211-5.15                     | 5,15                       |                                  | 44                   | 86                   | 52                   | 5,15                        |
|  |                    | A1211-13/64IN                  | 5,159                      | 13/64"                           | 44                   | 86                   | 52                   | 5,159                       |
|  |                    | A1211-NO6                      | 5,182                      | No. 06                           | 44                   | 86                   | 52                   | 5,182                       |
|  | A1211TIN-5.2       | A1211-5.2                      | 5,2                        |                                  | 44                   | 86                   | 52                   | 5,2                         |
|  |                    | A1211-NO5                      | 5,22                       | No. 05                           | 44                   | 86                   | 52                   | 5,22                        |
|  |                    | A1211-5.25                     | 5,25                       |                                  | 44                   | 86                   | 52                   | 5,25                        |
|  | A1211TIN-5.3       | A1211-5.3                      | 5,3                        |                                  | 44                   | 86                   | 52                   | 5,3                         |
|  |                    | A1211-NO4                      | 5,309                      | No. 04                           | 48                   | 93                   | 57                   | 5,309                       |
|  | A1211TIN-5.4       | A1211-5.4                      | 5,4                        |                                  | 48                   | 93                   | 57                   | 5,4                         |
|  |                    | A1211-NO3                      | 5,41                       | No. 03                           | 48                   | 93                   | 57                   | 5,41                        |
|  | A1211TIN-5.5       | A1211-5.5                      | 5,5                        |                                  | 48                   | 93                   | 57                   | 5,5                         |
|  |                    | A1211-5.55                     | 5,55                       |                                  | 48                   | 93                   | 57                   | 5,55                        |
|  |                    | A1211-7/32IN                   | 5,556                      | 7/32"                            | 48                   | 93                   | 57                   | 5,556                       |
|  | A1211TIN-5.6       | A1211-5.6                      | 5,6                        |                                  | 48                   | 93                   | 57                   | 5,6                         |
|  |                    | A1211-NO2                      | 5,613                      | No. 02                           | 48                   | 93                   | 57                   | 5,613                       |
|  | A1211TIN-5.7       | A1211-5.7                      | 5,7                        |                                  | 48                   | 93                   | 57                   | 5,7                         |
|  |                    | A1211-5.75                     | 5,75                       |                                  | 48                   | 93                   | 57                   | 5,75                        |
|  |                    | A1211-NO1                      | 5,791                      | No. 01                           | 48                   | 93                   | 57                   | 5,791                       |
|  | A1211TIN-5.8       | A1211-5.8                      | 5,8                        |                                  | 48                   | 93                   | 57                   | 5,8                         |
|  | A1211TIN-5.9       | A1211-5.9                      | 5,9                        |                                  | 48                   | 93                   | 57                   | 5,9                         |
|  |                    | A1211-LET.A                    | 5,944                      | Let.A                            | 48                   | 93                   | 57                   | 5,944                       |
|  |                    | A1211-5.95                     | 5,95                       |                                  | 48                   | 93                   | 57                   | 5,95                        |
|  |                    | A1211-15/64IN                  | 5,953                      | 15/64"                           | 48                   | 93                   | 57                   | 5,953                       |
|  | A1211TIN-6         | A1211-6                        | 6                          |                                  | 48                   | 93                   | 57                   | 6                           |
|  |                    | A1211-LET.B                    | 6,045                      | Let.B                            | 52                   | 101                  | 63                   | 6,045                       |
|  |                    | A1211-6.05                     | 6,05                       |                                  | 52                   | 101                  | 63                   | 6,05                        |
|  | A1211TIN-6.1       | A1211-6.1                      | 6,1                        |                                  | 52                   | 101                  | 63                   | 6,1                         |
|  |                    | A1211-LET.C                    | 6,147                      | Let.C                            | 52                   | 101                  | 63                   | 6,147                       |
|  |                    | A1211-6.15                     | 6,15                       |                                  | 52                   | 101                  | 63                   | 6,15                        |
|  | A1211TIN-6.2       | A1211-6.2                      | 6,2                        |                                  | 52                   | 101                  | 63                   | 6,2                         |
|  |                    | A1211-LET.D                    | 6,248                      | Let.D                            | 52                   | 101                  | 63                   | 6,248                       |
|  |                    | A1211-6.25                     | 6,25                       |                                  | 52                   | 101                  | 63                   | 6,25                        |
|  | A1211TIN-6.3       | A1211-6.3                      | 6,3                        |                                  | 52                   | 101                  | 63                   | 6,3                         |
|  |                    | A1211-1/4IN                    | 6,35                       | 1/4"                             | 52                   | 101                  | 63                   | 6,35                        |
|  | A1211TIN-6.4       | A1211-6.4                      | 6,4                        |                                  | 52                   | 101                  | 63                   | 6,4                         |
|  |                    | A1211-6.45                     | 6,45                       |                                  | 52                   | 101                  | 63                   | 6,45                        |
|  | A1211TIN-6.5       | A1211-6.5                      | 6,5                        |                                  | 52                   | 101                  | 63                   | 6,5                         |
|  |                    | A1211-LET.F                    | 6,528                      | Let.F                            | 52                   | 101                  | 63                   | 6,528                       |



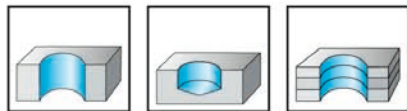
| Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| A1211TIN-6.6       | A1211-6.55                     | 6,55                       |                                  | 52                   | 101                  | 63                   | 6,55                        |
|                    | A1211-6.6                      | 6,6                        |                                  | 52                   | 101                  | 63                   | 6,6                         |
|                    | A1211-LET.G                    | 6,629                      | Let.G                            | 52                   | 101                  | 63                   | 6,629                       |
|                    | A1211-6.65                     | 6,65                       |                                  | 52                   | 101                  | 63                   | 6,65                        |
| A1211TIN-6.7       | A1211-6.7                      | 6,7                        |                                  | 52                   | 101                  | 63                   | 6,7                         |
|                    | A1211-17/64IN                  | 6,747                      | 17/64"                           | 57                   | 109                  | 69                   | 6,747                       |
|                    | A1211-6.75                     | 6,75                       |                                  | 57                   | 109                  | 69                   | 6,75                        |
|                    | A1211-LET.H                    | 6,756                      | Let.H                            | 57                   | 109                  | 69                   | 6,756                       |
| A1211TIN-6.8       | A1211-6.8                      | 6,8                        |                                  | 57                   | 109                  | 69                   | 6,8                         |
| A1211TIN-6.9       | A1211-6.9                      | 6,9                        |                                  | 57                   | 109                  | 69                   | 6,9                         |
|                    | A1211-LET.I                    | 6,909                      | Let.I                            | 57                   | 109                  | 69                   | 6,909                       |
| A1211TIN-7         | A1211-7                        | 7                          |                                  | 57                   | 109                  | 69                   | 7                           |
|                    | A1211-LET.J                    | 7,036                      | Let.J                            | 57                   | 109                  | 69                   | 7,036                       |
|                    | A1211-7.05                     | 7,05                       |                                  | 57                   | 109                  | 69                   | 7,05                        |
| A1211TIN-7.1       | A1211-7.1                      | 7,1                        |                                  | 57                   | 109                  | 69                   | 7,1                         |
|                    | A1211-LET.K                    | 7,137                      | Let.K                            | 57                   | 109                  | 69                   | 7,137                       |
|                    | A1211-9/32IN                   | 7,144                      | 9/32"                            | 57                   | 109                  | 69                   | 7,144                       |
| A1211TIN-7.2       | A1211-7.2                      | 7,2                        |                                  | 57                   | 109                  | 69                   | 7,2                         |
|                    | A1211-7.25                     | 7,25                       |                                  | 57                   | 109                  | 69                   | 7,25                        |
| A1211TIN-7.3       | A1211-7.3                      | 7,3                        |                                  | 57                   | 109                  | 69                   | 7,3                         |
|                    | A1211-LET.L                    | 7,366                      | Let.L                            | 57                   | 109                  | 69                   | 7,366                       |
| A1211TIN-7.4       | A1211-7.4                      | 7,4                        |                                  | 57                   | 109                  | 69                   | 7,4                         |
|                    | A1211-LET.M                    | 7,493                      | Let.M                            | 57                   | 109                  | 69                   | 7,493                       |
| A1211TIN-7.5       | A1211-7.5                      | 7,5                        |                                  | 57                   | 109                  | 69                   | 7,5                         |
|                    | A1211-19/64IN                  | 7,541                      | 19/64"                           | 62                   | 117                  | 75                   | 7,541                       |
| A1211TIN-7.6       | A1211-7.6                      | 7,6                        |                                  | 62                   | 117                  | 75                   | 7,6                         |
|                    | A1211-LET.N                    | 7,671                      | Let.N                            | 62                   | 117                  | 75                   | 7,671                       |
| A1211TIN-7.7       | A1211-7.7                      | 7,7                        |                                  | 62                   | 117                  | 75                   | 7,7                         |
|                    | A1211-7.75                     | 7,75                       |                                  | 62                   | 117                  | 75                   | 7,75                        |
| A1211TIN-7.8       | A1211-7.8                      | 7,8                        |                                  | 62                   | 117                  | 75                   | 7,8                         |
| A1211TIN-7.9       | A1211-7.9                      | 7,9                        |                                  | 62                   | 117                  | 75                   | 7,9                         |
|                    | A1211-5/16IN                   | 7,938                      | 5/16"                            | 62                   | 117                  | 75                   | 7,938                       |
| A1211TIN-8         | A1211-8                        | 8                          |                                  | 62                   | 117                  | 75                   | 8                           |
|                    | A1211-LET.O                    | 8,026                      | Let.O                            | 62                   | 117                  | 75                   | 8,026                       |
|                    | A1211-8.05                     | 8,05                       |                                  | 62                   | 117                  | 75                   | 8,05                        |
| A1211TIN-8.1       | A1211-8.1                      | 8,1                        |                                  | 62                   | 117                  | 75                   | 8,1                         |
| A1211TIN-8.2       | A1211-8.2                      | 8,2                        |                                  | 62                   | 117                  | 75                   | 8,2                         |
|                    | A1211-LET.P                    | 8,204                      | Let.P                            | 62                   | 117                  | 75                   | 8,204                       |
|                    | A1211-8.25                     | 8,25                       |                                  | 62                   | 117                  | 75                   | 8,25                        |
| A1211TIN-8.3       | A1211-8.3                      | 8,3                        |                                  | 62                   | 117                  | 75                   | 8,3                         |
|                    | A1211-21/64IN                  | 8,334                      | 21/64"                           | 62                   | 117                  | 75                   | 8,334                       |
| A1211TIN-8.4       | A1211-8.4                      | 8,4                        |                                  | 62                   | 117                  | 75                   | 8,4                         |
|                    | A1211-LET.Q                    | 8,433                      | Let.Q                            | 62                   | 117                  | 75                   | 8,433                       |
| A1211TIN-8.5       | A1211-8.5                      | 8,5                        |                                  | 62                   | 117                  | 75                   | 8,5                         |
| A1211TIN-8.6       | A1211-8.6                      | 8,6                        |                                  | 66                   | 125                  | 81                   | 8,6                         |
|                    | A1211-LET.R                    | 8,611                      | Let.R                            | 66                   | 125                  | 81                   | 8,611                       |
| A1211TIN-8.7       | A1211-8.7                      | 8,7                        |                                  | 66                   | 125                  | 81                   | 8,7                         |
|                    | A1211-11/32IN                  | 8,731                      | 11/32"                           | 66                   | 125                  | 81                   | 8,731                       |
|                    | A1211-8.75                     | 8,75                       |                                  | 66                   | 125                  | 81                   | 8,75                        |
| A1211TIN-8.8       | A1211-8.8                      | 8,8                        |                                  | 66                   | 125                  | 81                   | 8,8                         |
|                    | A1211-LET.S                    | 8,839                      | Let.S                            | 66                   | 125                  | 81                   | 8,839                       |
| A1211TIN-8.9       | A1211-8.9                      | 8,9                        |                                  | 66                   | 125                  | 81                   | 8,9                         |
| A1211TIN-9         | A1211-9                        | 9                          |                                  | 66                   | 125                  | 81                   | 9                           |
|                    | A1211-LET.T                    | 9,093                      | Let.T                            | 66                   | 125                  | 81                   | 9,093                       |
| A1211TIN-9.1       | A1211-9.1                      | 9,1                        |                                  | 66                   | 125                  | 81                   | 9,1                         |
|                    | A1211-23/64IN                  | 9,128                      | 23/64"                           | 66                   | 125                  | 81                   | 9,128                       |
| A1211TIN-9.2       | A1211-9.2                      | 9,2                        |                                  | 66                   | 125                  | 81                   | 9,2                         |
|                    | A1211-9.25                     | 9,25                       |                                  | 66                   | 125                  | 81                   | 9,25                        |

|  | Désignation TIN | Désignation sans revêtement | D <sub>c</sub> h8 mm | D <sub>c</sub> pouces / n° | L <sub>c</sub> mm | l <sub>1</sub> mm | l <sub>2</sub> mm | d <sub>1</sub> f11 mm |
|--|-----------------|-----------------------------|----------------------|----------------------------|-------------------|-------------------|-------------------|-----------------------|
| Queue cylindrique  | A1211TIN-9.3    | A1211-9.3                   | 9,3                  |                            | 66                | 125               | 81                | 9,3                   |
|  |                 | A1211-LET.U                 | 9,347                | Let.U                      | 66                | 125               | 81                | 9,347                 |
|  | A1211TIN-9.4    | A1211-9.4                   | 9,4                  |                            | 66                | 125               | 81                | 9,4                   |
|  | A1211TIN-9.5    | A1211-9.5                   | 9,5                  |                            | 66                | 125               | 81                | 9,5                   |
|  |                 | A1211-3/8IN                 | 9,525                | 3/8"                       | 71                | 133               | 87                | 9,525                 |
|  |                 | A1211-LET.V                 | 9,576                | Let.V                      | 71                | 133               | 87                | 9,576                 |
|  | A1211TIN-9.6    | A1211-9.6                   | 9,6                  |                            | 71                | 133               | 87                | 9,6                   |
|  | A1211TIN-9.7    | A1211-9.7                   | 9,7                  |                            | 71                | 133               | 87                | 9,7                   |
|  |                 | A1211-9.75                  | 9,75                 |                            | 71                | 133               | 87                | 9,75                  |
|  | A1211TIN-9.8    | A1211-9.8                   | 9,8                  |                            | 71                | 133               | 87                | 9,8                   |
|  |                 | A1211-LET.W                 | 9,804                | Let.W                      | 71                | 133               | 87                | 9,804                 |
|  | A1211TIN-9.9    | A1211-9.9                   | 9,9                  |                            | 71                | 133               | 87                | 9,9                   |
|  |                 | A1211-25/64IN               | 9,922                | 25/64"                     | 71                | 133               | 87                | 9,922                 |
|  | A1211TIN-10     | A1211-10                    | 10                   |                            | 71                | 133               | 87                | 10                    |
|  |                 | A1211-LET.X                 | 10,084               | Let.X                      | 71                | 133               | 87                | 10,084                |
|  |                 | A1211-10.1                  | 10,1                 |                            | 71                | 133               | 87                | 10,1                  |
|  | A1211TIN-10.2   | A1211-10.2                  | 10,2                 |                            | 71                | 133               | 87                | 10,2                  |
|  |                 | A1211-10.25                 | 10,25                |                            | 71                | 133               | 87                | 10,25                 |
|  |                 | A1211-LET.Y                 | 10,262               | Let.Y                      | 71                | 133               | 87                | 10,262                |
|  |                 | A1211-10.3                  | 10,3                 |                            | 71                | 133               | 87                | 10,3                  |
|  |                 | A1211-13/32IN               | 10,319               | 13/32"                     | 71                | 133               | 87                | 10,319                |
|  |                 | A1211-10.4                  | 10,4                 |                            | 71                | 133               | 87                | 10,4                  |
|  |                 | A1211-LET.Z                 | 10,49                | Let.Z                      | 71                | 133               | 87                | 10,49                 |
|  | A1211TIN-10.5   | A1211-10.5                  | 10,5                 |                            | 71                | 133               | 87                | 10,5                  |
|  |                 | A1211-10.6                  | 10,6                 |                            | 71                | 133               | 87                | 10,6                  |
|  |                 | A1211-10.7                  | 10,7                 |                            | 76                | 142               | 94                | 10,7                  |
|  |                 | A1211-27/64IN               | 10,716               | 27/64"                     | 76                | 142               | 94                | 10,716                |
|  |                 | A1211-10.75                 | 10,75                |                            | 76                | 142               | 94                | 10,75                 |
|  |                 | A1211-10.8                  | 10,8                 |                            | 76                | 142               | 94                | 10,8                  |
|  |                 | A1211-10.9                  | 10,9                 |                            | 76                | 142               | 94                | 10,9                  |
|  | A1211TIN-11     | A1211-11                    | 11                   |                            | 76                | 142               | 94                | 11                    |
|  |                 | A1211-11.1                  | 11,1                 |                            | 76                | 142               | 94                | 11,1                  |
|  |                 | A1211-7/16IN                | 11,113               | 7/16"                      | 76                | 142               | 94                | 11,113                |
|  |                 | A1211-11.2                  | 11,2                 |                            | 76                | 142               | 94                | 11,2                  |
|  |                 | A1211-11.25                 | 11,25                |                            | 76                | 142               | 94                | 11,25                 |
|  |                 | A1211-11.3                  | 11,3                 |                            | 76                | 142               | 94                | 11,3                  |
|  |                 | A1211-11.4                  | 11,4                 |                            | 76                | 142               | 94                | 11,4                  |
|  | A1211TIN-11.5   | A1211-11.5                  | 11,5                 |                            | 76                | 142               | 94                | 11,5                  |
|  |                 | A1211-29/64IN               | 11,509               | 29/64"                     | 76                | 142               | 94                | 11,509                |
|  |                 | A1211-11.6                  | 11,6                 |                            | 76                | 142               | 94                | 11,6                  |
|  |                 | A1211-11.7                  | 11,7                 |                            | 76                | 142               | 94                | 11,7                  |
|  |                 | A1211-11.75                 | 11,75                |                            | 76                | 142               | 94                | 11,75                 |
|  |                 | A1211-11.8                  | 11,8                 |                            | 76                | 142               | 94                | 11,8                  |
|  |                 | A1211-11.9                  | 11,9                 |                            | 87                | 151               | 101               | 11,9                  |
|  |                 | A1211-15/32IN               | 11,906               | 15/32"                     | 87                | 151               | 101               | 11,906                |
|  | A1211TIN-12     | A1211-12                    | 12                   |                            | 87                | 151               | 101               | 12                    |
|  |                 | A1211-12.1                  | 12,1                 |                            | 87                | 151               | 101               | 12,1                  |
|  |                 | A1211-12.2                  | 12,2                 |                            | 87                | 151               | 101               | 12,2                  |
|  |                 | A1211-12.25                 | 12,25                |                            | 87                | 151               | 101               | 12,25                 |
|  |                 | A1211-12.3                  | 12,3                 |                            | 87                | 151               | 101               | 12,3                  |
|  |                 | A1211-31/64IN               | 12,303               | 31/64"                     | 87                | 151               | 101               | 12,303                |
|  |                 | A1211-12.4                  | 12,4                 |                            | 87                | 151               | 101               | 12,4                  |
|  | A1211TIN-12.5   | A1211-12.5                  | 12,5                 |                            | 87                | 151               | 101               | 12,5                  |
|  |                 | A1211-12.6                  | 12,6                 |                            | 87                | 151               | 101               | 12,6                  |
|  |                 | A1211-1/2IN                 | 12,7                 | 1/2"                       | 87                | 151               | 101               | 12,7                  |
|  |                 | A1211-12.75                 | 12,75                |                            | 87                | 151               | 101               | 12,75                 |
|  |                 | A1211-12.8                  | 12,8                 |                            | 87                | 151               | 101               | 12,8                  |
|  |                 | A1211-12.9                  | 12,9                 |                            | 87                | 151               | 101               | 12,9                  |
|  | A1211TIN-13     | A1211-13                    | 13                   |                            | 87                | 151               | 101               | 13                    |
|  |                 | A1211-33/64IN               | 13,097               | 33/64"                     | 87                | 151               | 101               | 13,097                |
|  |                 | A1211-13.1                  | 13,1                 |                            | 87                | 151               | 101               | 13,1                  |
|  |                 | A1211-13.2                  | 13,2                 |                            | 87                | 151               | 101               | 13,2                  |

|   | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces /<br>n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|---|--------------------|--------------------------------|----------------------------|----------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Queue cylindrique</p>  |                    | A1211-13.25                    | 13,25                      |                                  | 94                   | 160                  | 108                  | 13,25                       |
|   |                    | A1211-13.3                     | 13,3                       |                                  | 94                   | 160                  | 108                  | 13,3                        |
|   |                    | A1211-13.4                     | 13,4                       |                                  | 94                   | 160                  | 108                  | 13,4                        |
|   |                    | A1211-17/32IN                  | 13,494                     | 17/32"                           | 94                   | 160                  | 108                  | 13,494                      |
|   | A1211TIN-13.5      | A1211-13.5                     | 13,5                       |                                  | 94                   | 160                  | 108                  | 13,5                        |
|   |                    | A1211-13.6                     | 13,6                       |                                  | 94                   | 160                  | 108                  | 13,6                        |
|   |                    | A1211-13.7                     | 13,7                       |                                  | 94                   | 160                  | 108                  | 13,7                        |
|   |                    | A1211-13.75                    | 13,75                      |                                  | 94                   | 160                  | 108                  | 13,75                       |
|   |                    | A1211-13.8                     | 13,8                       |                                  | 94                   | 160                  | 108                  | 13,8                        |
|   |                    | A1211-35/64IN                  | 13,891                     | 35/64"                           | 94                   | 160                  | 108                  | 13,891                      |
|   |                    | A1211-13.9                     | 13,9                       |                                  | 94                   | 160                  | 108                  | 13,9                        |
|   | A1211TIN-14        | A1211-14                       | 14                         |                                  | 94                   | 160                  | 108                  | 14                          |
|   |                    | A1211-14.1                     | 14,1                       |                                  | 99                   | 169                  | 114                  | 14,1                        |
|   |                    | A1211-14.2                     | 14,2                       |                                  | 99                   | 169                  | 114                  | 14,2                        |
|   |                    | A1211-14.25                    | 14,25                      |                                  | 99                   | 169                  | 114                  | 14,25                       |
|   |                    | A1211-9/16IN                   | 14,288                     | 9/16"                            | 99                   | 169                  | 114                  | 14,288                      |
|   |                    | A1211-14.3                     | 14,3                       |                                  | 99                   | 169                  | 114                  | 14,3                        |
|   | A1211TIN-14.5      | A1211-14.5                     | 14,5                       |                                  | 99                   | 169                  | 114                  | 14,5                        |
|   |                    | A1211-37/64IN                  | 14,684                     | 37/64"                           | 99                   | 169                  | 114                  | 14,684                      |
|   |                    | A1211-14.75                    | 14,75                      |                                  | 99                   | 169                  | 114                  | 14,75                       |
|   | A1211TIN-15        | A1211-15                       | 15                         |                                  | 99                   | 169                  | 114                  | 15                          |
|   |                    | A1211-19/32IN                  | 15,081                     | 19/32"                           | 104                  | 178                  | 120                  | 15,081                      |
|   | A1211-15.2         | 15,2                           |                            | 104                              | 178                  | 120                  | 15,2                 |                             |
|   | A1211-15.25        | 15,25                          |                            | 104                              | 178                  | 120                  | 15,25                |                             |
|   | A1211-39/64IN      | 15,478                         | 39/64"                     | 104                              | 178                  | 120                  | 15,478               |                             |
|   | A1211-15.5         | 15,5                           |                            | 104                              | 178                  | 120                  | 15,5                 |                             |
|   | A1211-15.75        | 15,75                          |                            | 104                              | 178                  | 120                  | 15,75                |                             |
|   | A1211-5/8IN        | 15,875                         | 5/8"                       | 104                              | 178                  | 120                  | 15,875               |                             |
| A1211TIN-16   | A1211-16           | 16                             |                            | 104                              | 178                  | 120                  | 16                   |                             |
|   | A1211-41/64IN      | 16,272                         | 41/64"                     | 108                              | 184                  | 125                  | 16,272               |                             |
|   | A1211-16.5         | 16,5                           |                            | 108                              | 184                  | 125                  | 16,5                 |                             |
|   | A1211-21/32IN      | 16,669                         | 21/32"                     | 108                              | 184                  | 125                  | 16,669               |                             |
|   | A1211-17           | 17                             |                            | 108                              | 184                  | 125                  | 17                   |                             |
|   | A1211-43/64IN      | 17,066                         | 43/64"                     | 112                              | 191                  | 130                  | 17,066               |                             |
|   | A1211-11/16IN      | 17,463                         | 11/16"                     | 112                              | 191                  | 130                  | 17,463               |                             |
|   | A1211-17.5         | 17,5                           |                            | 112                              | 191                  | 130                  | 17,5                 |                             |
|   | A1211-18           | 18                             |                            | 112                              | 191                  | 130                  | 18                   |                             |
|   | A1211-18.5         | 18,5                           |                            | 116                              | 198                  | 135                  | 18,5                 |                             |
|   | A1211-19           | 19                             |                            | 116                              | 198                  | 135                  | 19                   |                             |
|   | A1211-19.5         | 19,5                           |                            | 120                              | 205                  | 140                  | 19,5                 |                             |
|   | A1211-20           | 20                             |                            | 120                              | 205                  | 140                  | 20                   |                             |
|   | A1211-21           | 21                             |                            | 123                              | 213                  | 145                  | 21                   |                             |
|   | A1211-22           | 22                             |                            | 127                              | 221                  | 150                  | 22                   |                             |

# Foret pour perçage profond en HSS-E, long A1549TFP

UFL®



~12×D<sub>c</sub>

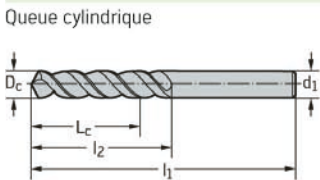
DIN 340



130°

|     |    |    |    |    |   |   |   |
|-----|----|----|----|----|---|---|---|
|     | P  | M  | K  | N  | S | H | O |
| TFP | ●● | ●● | ●● | ●● | ● |   | ● |

|                          | Désignation TFP | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------------------|-----------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
| <p>Queue cylindrique</p> | A1549TFP-1      | 1                          | 31                   | 56                   | 33                   | 1                           |
|                          | A1549TFP-1.1    | 1.1                        | 35                   | 60                   | 37                   | 1.1                         |
|                          | A1549TFP-1.2    | 1.2                        | 39                   | 65                   | 41                   | 1.2                         |
|                          | A1549TFP-1.3    | 1.3                        | 39                   | 65                   | 41                   | 1.3                         |
|                          | A1549TFP-1.4    | 1.4                        | 42                   | 70                   | 45                   | 1.4                         |
|                          | A1549TFP-1.5    | 1.5                        | 42                   | 70                   | 45                   | 1.5                         |
|                          | A1549TFP-1.6    | 1.6                        | 47                   | 76                   | 50                   | 1.6                         |
|                          | A1549TFP-1.7    | 1.7                        | 47                   | 76                   | 50                   | 1.7                         |
|                          | A1549TFP-1.8    | 1.8                        | 50                   | 80                   | 53                   | 1.8                         |
|                          | A1549TFP-1.9    | 1.9                        | 50                   | 80                   | 53                   | 1.9                         |
|                          | A1549TFP-2      | 2                          | 52                   | 85                   | 56                   | 2                           |
|                          | A1549TFP-2.1    | 2.1                        | 52                   | 85                   | 56                   | 2.1                         |
|                          | A1549TFP-2.2    | 2.2                        | 55                   | 90                   | 59                   | 2.2                         |
|                          | A1549TFP-2.3    | 2.3                        | 55                   | 90                   | 59                   | 2.3                         |
|                          | A1549TFP-2.4    | 2.4                        | 58                   | 95                   | 62                   | 2.4                         |
|                          | A1549TFP-2.5    | 2.5                        | 58                   | 95                   | 62                   | 2.5                         |
|                          | A1549TFP-2.6    | 2.6                        | 58                   | 95                   | 62                   | 2.6                         |
|                          | A1549TFP-2.7    | 2.7                        | 61                   | 100                  | 66                   | 2.7                         |
|                          | A1549TFP-2.8    | 2.8                        | 61                   | 100                  | 66                   | 2.8                         |
|                          | A1549TFP-2.9    | 2.9                        | 61                   | 100                  | 66                   | 2.9                         |
|                          | A1549TFP-3      | 3                          | 61                   | 100                  | 66                   | 3                           |
|                          | A1549TFP-3.1    | 3.1                        | 63                   | 106                  | 69                   | 3.1                         |
|                          | A1549TFP-3.2    | 3.2                        | 63                   | 106                  | 69                   | 3.2                         |
|                          | A1549TFP-3.3    | 3.3                        | 63                   | 106                  | 69                   | 3.3                         |
|                          | A1549TFP-3.4    | 3.4                        | 67                   | 112                  | 73                   | 3.4                         |
|                          | A1549TFP-3.5    | 3.5                        | 67                   | 112                  | 73                   | 3.5                         |
|                          | A1549TFP-3.6    | 3.6                        | 67                   | 112                  | 73                   | 3.6                         |
|                          | A1549TFP-3.7    | 3.7                        | 67                   | 112                  | 73                   | 3.7                         |
|                          | A1549TFP-3.8    | 3.8                        | 71                   | 119                  | 78                   | 3.8                         |
|                          | A1549TFP-3.9    | 3.9                        | 71                   | 119                  | 78                   | 3.9                         |
|                          | A1549TFP-4      | 4                          | 71                   | 119                  | 78                   | 4                           |
|                          | A1549TFP-4.1    | 4.1                        | 71                   | 119                  | 78                   | 4.1                         |
|                          | A1549TFP-4.2    | 4.2                        | 71                   | 119                  | 78                   | 4.2                         |
| A1549TFP-4.3             | 4.3             | 74                         | 126                  | 82                   | 4.3                  |                             |
| A1549TFP-4.4             | 4.4             | 74                         | 126                  | 82                   | 4.4                  |                             |
| A1549TFP-4.5             | 4.5             | 74                         | 126                  | 82                   | 4.5                  |                             |
| A1549TFP-4.6             | 4.6             | 74                         | 126                  | 82                   | 4.6                  |                             |
| A1549TFP-4.7             | 4.7             | 74                         | 126                  | 82                   | 4.7                  |                             |
| A1549TFP-4.8             | 4.8             | 79                         | 132                  | 87                   | 4.8                  |                             |
| A1549TFP-4.9             | 4.9             | 79                         | 132                  | 87                   | 4.9                  |                             |
| A1549TFP-5               | 5               | 79                         | 132                  | 87                   | 5                    |                             |
| A1549TFP-5.1             | 5.1             | 79                         | 132                  | 87                   | 5.1                  |                             |
| A1549TFP-5.2             | 5.2             | 79                         | 132                  | 87                   | 5.2                  |                             |
| A1549TFP-5.3             | 5.3             | 79                         | 132                  | 87                   | 5.3                  |                             |

|  | Désignation<br>TFP | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|--------------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
|  | A1549TFP-5.4       | 5,4                        | 82                   | 139                  | 91                   | 5,4                         |
|  | A1549TFP-5.5       | 5,5                        | 82                   | 139                  | 91                   | 5,5                         |
|  | A1549TFP-5.6       | 5,6                        | 82                   | 139                  | 91                   | 5,6                         |
|  | A1549TFP-5.7       | 5,7                        | 82                   | 139                  | 91                   | 5,7                         |
|  | A1549TFP-5.8       | 5,8                        | 82                   | 139                  | 91                   | 5,8                         |
|  | A1549TFP-5.9       | 5,9                        | 82                   | 139                  | 91                   | 5,9                         |
|  | A1549TFP-6         | 6                          | 82                   | 139                  | 91                   | 6                           |
|  | A1549TFP-6.1       | 6.1                        | 86                   | 148                  | 97                   | 6.1                         |
|  | A1549TFP-6.2       | 6.2                        | 86                   | 148                  | 97                   | 6.2                         |
|  | A1549TFP-6.3       | 6.3                        | 86                   | 148                  | 97                   | 6.3                         |
|  | A1549TFP-6.4       | 6.4                        | 86                   | 148                  | 97                   | 6.4                         |
|  | A1549TFP-6.5       | 6.5                        | 86                   | 148                  | 97                   | 6.5                         |
| A1549TFP-6.6   | 6.6                | 86                         | 148                  | 97                   | 6.6                  |                             |
| A1549TFP-6.7   | 6.7                | 86                         | 148                  | 97                   | 6.7                  |                             |
| A1549TFP-6.8   | 6.8                | 90                         | 156                  | 102                  | 6.8                  |                             |
| A1549TFP-6.9   | 6.9                | 90                         | 156                  | 102                  | 6.9                  |                             |
| A1549TFP-7   | 7                  | 90                         | 156                  | 102                  | 7                    |                             |
| A1549TFP-7.1   | 7.1                | 90                         | 156                  | 102                  | 7.1                  |                             |
| A1549TFP-7.2   | 7.2                | 90                         | 156                  | 102                  | 7.2                  |                             |
| A1549TFP-7.3   | 7.3                | 90                         | 156                  | 102                  | 7.3                  |                             |
| A1549TFP-7.4   | 7.4                | 90                         | 156                  | 102                  | 7.4                  |                             |
| A1549TFP-7.5   | 7.5                | 90                         | 156                  | 102                  | 7.5                  |                             |
| A1549TFP-7.6   | 7.6                | 96                         | 165                  | 109                  | 7.6                  |                             |
| A1549TFP-7.7   | 7.7                | 96                         | 165                  | 109                  | 7.7                  |                             |
| A1549TFP-7.8   | 7.8                | 96                         | 165                  | 109                  | 7.8                  |                             |
| A1549TFP-7.9   | 7.9                | 96                         | 165                  | 109                  | 7.9                  |                             |
| A1549TFP-8   | 8                  | 96                         | 165                  | 109                  | 8                    |                             |
| A1549TFP-8.1   | 8.1                | 96                         | 165                  | 109                  | 8.1                  |                             |
| A1549TFP-8.2   | 8.2                | 96                         | 165                  | 109                  | 8.2                  |                             |
| A1549TFP-8.3   | 8.3                | 96                         | 165                  | 109                  | 8.3                  |                             |
| A1549TFP-8.4   | 8.4                | 96                         | 165                  | 109                  | 8.4                  |                             |
| A1549TFP-8.5   | 8.5                | 96                         | 165                  | 109                  | 8.5                  |                             |
| A1549TFP-8.6   | 8.6                | 100                        | 175                  | 115                  | 8.6                  |                             |
| A1549TFP-8.7   | 8.7                | 100                        | 175                  | 115                  | 8.7                  |                             |
| A1549TFP-8.8   | 8.8                | 100                        | 175                  | 115                  | 8.8                  |                             |
| A1549TFP-8.9   | 8.9                | 100                        | 175                  | 115                  | 8.9                  |                             |
| A1549TFP-9   | 9                  | 100                        | 175                  | 115                  | 9                    |                             |
| A1549TFP-9.1   | 9.1                | 100                        | 175                  | 115                  | 9.1                  |                             |
| A1549TFP-9.2   | 9.2                | 100                        | 175                  | 115                  | 9.2                  |                             |
| A1549TFP-9.3   | 9.3                | 100                        | 175                  | 115                  | 9.3                  |                             |
| A1549TFP-9.4   | 9.4                | 100                        | 175                  | 115                  | 9.4                  |                             |
| A1549TFP-9.5   | 9.5                | 100                        | 175                  | 115                  | 9.5                  |                             |
| A1549TFP-9.6   | 9.6                | 105                        | 184                  | 121                  | 9.6                  |                             |
| A1549TFP-9.7   | 9.7                | 105                        | 184                  | 121                  | 9.7                  |                             |
| A1549TFP-9.8   | 9.8                | 105                        | 184                  | 121                  | 9.8                  |                             |
| A1549TFP-9.9   | 9.9                | 105                        | 184                  | 121                  | 9.9                  |                             |
| A1549TFP-10  | 10                 | 105                        | 184                  | 121                  | 10                   |                             |
| A1549TFP-10.2  | 10.2               | 105                        | 184                  | 121                  | 10.2                 |                             |
| A1549TFP-10.5  | 10.5               | 105                        | 184                  | 121                  | 10.5                 |                             |
| A1549TFP-11  | 11                 | 110                        | 195                  | 128                  | 11                   |                             |
| A1549TFP-11.5  | 11.5               | 110                        | 195                  | 128                  | 11.5                 |                             |
| A1549TFP-12  | 12                 | 120                        | 205                  | 134                  | 12                   |                             |

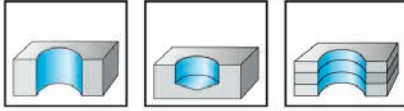


# Foret hélicoïdal en HSS-E, long A1547

Alpha® XE

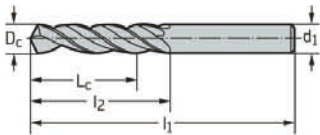


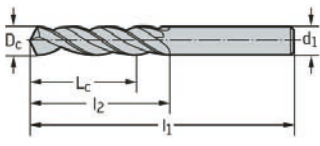
– Sans traitement jusqu'à 1,9 mm



|                 | P | M  | K   | N    | S     | H      | O       |
|-----------------|---|----|-----|------|-------|--------|---------|
| sans revêtement | ● | ●● | ●●● | ●●●● | ●●●●● | ●●●●●● | ●●●●●●● |

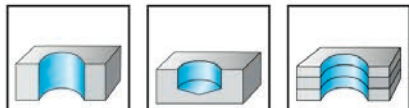
|              | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--------------|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
|              | A1547-1                     | 1                          |                               | 31                   | 56                   | 33                   | 1                           |
|              | A1547-N060                  | 1,016                      | No. 60                        | 31                   | 56                   | 33                   | 1,016                       |
|              | A1547-N059                  | 1,041                      | No. 59                        | 31                   | 56                   | 33                   | 1,041                       |
|              | A1547-N058                  | 1,067                      | No. 58                        | 35                   | 60                   | 37                   | 1,067                       |
|              | A1547-N057                  | 1,092                      | No. 57                        | 35                   | 60                   | 37                   | 1,092                       |
|              | A1547-1.1                   | 1,1                        |                               | 35                   | 60                   | 37                   | 1,1                         |
|              | A1547-N056                  | 1,181                      | No. 56                        | 39                   | 65                   | 41                   | 1,181                       |
|              | A1547-3/64IN                | 1,191                      | 3/64"                         | 39                   | 65                   | 41                   | 1,191                       |
|              | A1547-1.2                   | 1,2                        |                               | 39                   | 65                   | 41                   | 1,2                         |
|              | A1547-1.3                   | 1,3                        |                               | 39                   | 65                   | 41                   | 1,3                         |
|              | A1547-N055                  | 1,321                      | No. 55                        | 42                   | 70                   | 45                   | 1,321                       |
|              | A1547-N054                  | 1,397                      | No. 54                        | 42                   | 70                   | 45                   | 1,397                       |
|              | A1547-1.4                   | 1,4                        |                               | 42                   | 70                   | 45                   | 1,4                         |
|              | A1547-1.5                   | 1,5                        |                               | 42                   | 70                   | 45                   | 1,5                         |
|              | A1547-N053                  | 1,511                      | No. 53                        | 47                   | 76                   | 50                   | 1,511                       |
|              | A1547-1/16IN                | 1,588                      | 1/16"                         | 47                   | 76                   | 50                   | 1,588                       |
|              | A1547-1.6                   | 1,6                        |                               | 47                   | 76                   | 50                   | 1,6                         |
|              | A1547-N052                  | 1,613                      | No. 52                        | 47                   | 76                   | 50                   | 1,613                       |
|              | A1547-1.7                   | 1,7                        |                               | 47                   | 76                   | 50                   | 1,7                         |
|              | A1547-N051                  | 1,702                      | No. 51                        | 50                   | 80                   | 53                   | 1,702                       |
|              | A1547-N050                  | 1,778                      | No. 50                        | 50                   | 80                   | 53                   | 1,778                       |
|              | A1547-1.8                   | 1,8                        |                               | 50                   | 80                   | 53                   | 1,8                         |
|              | A1547-N049                  | 1,854                      | No. 49                        | 50                   | 80                   | 53                   | 1,854                       |
|              | A1547-1.9                   | 1,9                        |                               | 50                   | 80                   | 53                   | 1,9                         |
|              | A1547-N048                  | 1,93                       | No. 48                        | 52                   | 85                   | 56                   | 1,93                        |
|              | A1547-5/64IN                | 1,984                      | 5/64"                         | 52                   | 85                   | 56                   | 1,984                       |
|              | A1547-N047                  | 1,994                      | No. 47                        | 52                   | 85                   | 56                   | 1,994                       |
|              | A1547-2                     | 2                          |                               | 52                   | 85                   | 56                   | 2                           |
|              | A1547-N046                  | 2,057                      | No. 46                        | 52                   | 85                   | 56                   | 2,057                       |
|              | A1547-N045                  | 2,083                      | No. 45                        | 52                   | 85                   | 56                   | 2,083                       |
|              | A1547-2.1                   | 2,1                        |                               | 52                   | 85                   | 56                   | 2,1                         |
|              | A1547-N044                  | 2,184                      | No. 44                        | 55                   | 90                   | 59                   | 2,184                       |
|              | A1547-2.2                   | 2,2                        |                               | 55                   | 90                   | 59                   | 2,2                         |
|              | A1547-N043                  | 2,261                      | No. 43                        | 55                   | 90                   | 59                   | 2,261                       |
| A1547-2.3    | 2,3                         |                            | 55                            | 90                   | 59                   | 2,3                  |                             |
| A1547-N042   | 2,375                       | No. 42                     | 58                            | 95                   | 62                   | 2,375                |                             |
| A1547-3/32IN | 2,381                       | 3/32"                      | 58                            | 95                   | 62                   | 2,381                |                             |
| A1547-2.4    | 2,4                         |                            | 58                            | 95                   | 62                   | 2,4                  |                             |
| A1547-N041   | 2,438                       | No. 41                     | 58                            | 95                   | 62                   | 2,438                |                             |
| A1547-N040   | 2,489                       | No. 40                     | 58                            | 95                   | 62                   | 2,489                |                             |
| A1547-2.5    | 2,5                         |                            | 58                            | 95                   | 62                   | 2,5                  |                             |
| A1547-N039   | 2,527                       | No. 39                     | 58                            | 95                   | 62                   | 2,527                |                             |
| A1547-N038   | 2,578                       | No. 38                     | 58                            | 95                   | 62                   | 2,578                |                             |
| A1547-2.6    | 2,6                         |                            | 58                            | 95                   | 62                   | 2,6                  |                             |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1547-NO37                  | 2,642                      | No. 37                        | 58                   | 95                   | 62                   | 2,642                       |
|  | A1547-2.7                   | 2,7                        |                               | 61                   | 100                  | 66                   | 2,7                         |
|  | A1547-NO36                  | 2,705                      | No. 36                        | 61                   | 100                  | 66                   | 2,705                       |
|  | A1547-7/64IN                | 2,778                      | 7/64"                         | 61                   | 100                  | 66                   | 2,778                       |
|  | A1547-NO35                  | 2,794                      | No. 35                        | 61                   | 100                  | 66                   | 2,794                       |
|  | A1547-2.8                   | 2,8                        |                               | 61                   | 100                  | 66                   | 2,8                         |
|  | A1547-NO34                  | 2,819                      | No. 34                        | 61                   | 100                  | 66                   | 2,819                       |
|  | A1547-NO33                  | 2,87                       | No. 33                        | 61                   | 100                  | 66                   | 2,87                        |
|  | A1547-2.9                   | 2,9                        |                               | 61                   | 100                  | 66                   | 2,9                         |
|  | A1547-NO32                  | 2,946                      | No. 32                        | 61                   | 100                  | 66                   | 2,946                       |
|  | A1547-3                     | 3                          |                               | 61                   | 100                  | 66                   | 3                           |
|  | A1547-NO31                  | 3,048                      | No. 31                        | 63                   | 106                  | 69                   | 3,048                       |
|  | A1547-3.1                   | 3,1                        |                               | 63                   | 106                  | 69                   | 3,1                         |
|  | A1547-1/8IN                 | 3,175                      | 1/8"                          | 63                   | 106                  | 69                   | 3,175                       |
|  | A1547-3.2                   | 3,2                        |                               | 63                   | 106                  | 69                   | 3,2                         |
|  | A1547-NO30                  | 3,264                      | No. 30                        | 63                   | 106                  | 69                   | 3,264                       |
|  | A1547-3.3                   | 3,3                        |                               | 63                   | 106                  | 69                   | 3,3                         |
|  | A1547-3.4                   | 3,4                        |                               | 67                   | 112                  | 73                   | 3,4                         |
|  | A1547-3.5                   | 3,5                        |                               | 67                   | 112                  | 73                   | 3,5                         |
|  | A1547-9/64IN                | 3,572                      | 9/64"                         | 67                   | 112                  | 73                   | 3,572                       |
|  | A1547-3.6                   | 3,6                        |                               | 67                   | 112                  | 73                   | 3,6                         |
|  | A1547-3.7                   | 3,7                        |                               | 67                   | 112                  | 73                   | 3,7                         |
|  | A1547-3.8                   | 3,8                        |                               | 71                   | 119                  | 78                   | 3,8                         |
|  | A1547-3.9                   | 3,9                        |                               | 71                   | 119                  | 78                   | 3,9                         |
|  | A1547-5/32IN                | 3,969                      | 5/32"                         | 71                   | 119                  | 78                   | 3,969                       |
|  | A1547-4                     | 4                          |                               | 71                   | 119                  | 78                   | 4                           |
|  | A1547-4.1                   | 4,1                        |                               | 71                   | 119                  | 78                   | 4,1                         |
|  | A1547-4.2                   | 4,2                        |                               | 71                   | 119                  | 78                   | 4,2                         |
|  | A1547-4.3                   | 4,3                        |                               | 74                   | 126                  | 82                   | 4,3                         |
|  | A1547-11/64IN               | 4,366                      | 11/64"                        | 74                   | 126                  | 82                   | 4,366                       |
|  | A1547-4.4                   | 4,4                        |                               | 74                   | 126                  | 82                   | 4,4                         |
|  | A1547-4.5                   | 4,5                        |                               | 74                   | 126                  | 82                   | 4,5                         |
|  | A1547-4.6                   | 4,6                        |                               | 74                   | 126                  | 82                   | 4,6                         |
|  | A1547-4.7                   | 4,7                        |                               | 74                   | 126                  | 82                   | 4,7                         |
|  | A1547-3/16IN                | 4,763                      | 3/16"                         | 79                   | 132                  | 87                   | 4,763                       |
|  | A1547-4.8                   | 4,8                        |                               | 79                   | 132                  | 87                   | 4,8                         |
|  | A1547-4.9                   | 4,9                        |                               | 79                   | 132                  | 87                   | 4,9                         |
|  | A1547-5                     | 5                          |                               | 79                   | 132                  | 87                   | 5                           |
|  | A1547-5.1                   | 5,1                        |                               | 79                   | 132                  | 87                   | 5,1                         |
|  | A1547-13/64IN               | 5,159                      | 13/64"                        | 79                   | 132                  | 87                   | 5,159                       |
|  | A1547-5.2                   | 5,2                        |                               | 79                   | 132                  | 87                   | 5,2                         |
|  | A1547-5.3                   | 5,3                        |                               | 79                   | 132                  | 87                   | 5,3                         |
|  | A1547-5.4                   | 5,4                        |                               | 82                   | 139                  | 91                   | 5,4                         |
|  | A1547-5.5                   | 5,5                        |                               | 82                   | 139                  | 91                   | 5,5                         |
|  | A1547-7/32IN                | 5,556                      | 7/32"                         | 82                   | 139                  | 91                   | 5,556                       |
|  | A1547-5.6                   | 5,6                        |                               | 82                   | 139                  | 91                   | 5,6                         |
|  | A1547-5.7                   | 5,7                        |                               | 82                   | 139                  | 91                   | 5,7                         |
|  | A1547-5.8                   | 5,8                        |                               | 82                   | 139                  | 91                   | 5,8                         |
|  | A1547-5.9                   | 5,9                        |                               | 82                   | 139                  | 91                   | 5,9                         |
|  | A1547-15/64IN               | 5,953                      | 15/64"                        | 82                   | 139                  | 91                   | 5,953                       |
|  | A1547-6                     | 6                          |                               | 82                   | 139                  | 91                   | 6                           |
|  | A1547-6.1                   | 6,1                        |                               | 86                   | 148                  | 97                   | 6,1                         |
|  | A1547-6.2                   | 6,2                        |                               | 86                   | 148                  | 97                   | 6,2                         |
|  | A1547-6.3                   | 6,3                        |                               | 86                   | 148                  | 97                   | 6,3                         |
|  | A1547-1/4IN                 | 6,35                       | 1/4"                          | 86                   | 148                  | 97                   | 6,35                        |
|  | A1547-6.4                   | 6,4                        |                               | 86                   | 148                  | 97                   | 6,4                         |
|  | A1547-6.5                   | 6,5                        |                               | 86                   | 148                  | 97                   | 6,5                         |
|  | A1547-6.6                   | 6,6                        |                               | 86                   | 148                  | 97                   | 6,6                         |
|  | A1547-6.7                   | 6,7                        |                               | 86                   | 148                  | 97                   | 6,7                         |
|  | A1547-17/64IN               | 6,747                      | 17/64"                        | 90                   | 156                  | 102                  | 6,747                       |
|  | A1547-6.8                   | 6,8                        |                               | 90                   | 156                  | 102                  | 6,8                         |
|  | A1547-7                     | 7                          |                               | 90                   | 156                  | 102                  | 7                           |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1547-7.1                   | 7,1                        |                               | 90                   | 156                  | 102                  | 7,1                         |
|  | A1547-9/32IN                | 7,144                      | 9/32"                         | 90                   | 156                  | 102                  | 7,144                       |
|  | A1547-7.2                   | 7,2                        |                               | 90                   | 156                  | 102                  | 7,2                         |
|  | A1547-7.3                   | 7,3                        |                               | 90                   | 156                  | 102                  | 7,3                         |
|  | A1547-7.4                   | 7,4                        |                               | 90                   | 156                  | 102                  | 7,4                         |
|  | A1547-7.5                   | 7,5                        |                               | 90                   | 156                  | 102                  | 7,5                         |
|  | A1547-19/64IN               | 7,541                      | 19/64"                        | 96                   | 165                  | 109                  | 7,541                       |
|  | A1547-7.6                   | 7,6                        |                               | 96                   | 165                  | 109                  | 7,6                         |
|  | A1547-7.7                   | 7,7                        |                               | 96                   | 165                  | 109                  | 7,7                         |
|  | A1547-7.8                   | 7,8                        |                               | 96                   | 165                  | 109                  | 7,8                         |
|  | A1547-7.9                   | 7,9                        |                               | 96                   | 165                  | 109                  | 7,9                         |
|  | A1547-5/16IN                | 7,938                      | 5/16"                         | 96                   | 165                  | 109                  | 7,938                       |
|  | A1547-8                     | 8                          |                               | 96                   | 165                  | 109                  | 8                           |
|  | A1547-8.1                   | 8,1                        |                               | 96                   | 165                  | 109                  | 8,1                         |
|  | A1547-8.2                   | 8,2                        |                               | 96                   | 165                  | 109                  | 8,2                         |
|  | A1547-8.3                   | 8,3                        |                               | 96                   | 165                  | 109                  | 8,3                         |
|  | A1547-21/64IN               | 8,334                      | 21/64"                        | 96                   | 165                  | 109                  | 8,334                       |
|  | A1547-8.4                   | 8,4                        |                               | 96                   | 165                  | 109                  | 8,4                         |
|  | A1547-8.5                   | 8,5                        |                               | 96                   | 165                  | 109                  | 8,5                         |
|  | A1547-8.6                   | 8,6                        |                               | 100                  | 175                  | 115                  | 8,6                         |
|  | A1547-8.7                   | 8,7                        |                               | 100                  | 175                  | 115                  | 8,7                         |
|  | A1547-11/32IN               | 8,731                      | 11/32"                        | 100                  | 175                  | 115                  | 8,731                       |
|  | A1547-8.8                   | 8,8                        |                               | 100                  | 175                  | 115                  | 8,8                         |
|  | A1547-8.9                   | 8,9                        |                               | 100                  | 175                  | 115                  | 8,9                         |
|  | A1547-9                     | 9                          |                               | 100                  | 175                  | 115                  | 9                           |
|  | A1547-23/64IN               | 9,128                      | 23/64"                        | 100                  | 175                  | 115                  | 9,128                       |
|  | A1547-3/8IN                 | 9,525                      | 3/8"                          | 105                  | 184                  | 121                  | 9,525                       |
|  | A1547-25/64IN               | 9,922                      | 25/64"                        | 105                  | 184                  | 121                  | 9,922                       |
|  | A1547-10                    | 10                         |                               | 105                  | 184                  | 121                  | 10                          |
|  | A1547-10.2                  | 10,2                       |                               | 105                  | 184                  | 121                  | 10,2                        |
|  | A1547-13/32IN               | 10,319                     | 13/32"                        | 105                  | 184                  | 121                  | 10,319                      |
|  | A1547-10.5                  | 10,5                       |                               | 105                  | 184                  | 121                  | 10,5                        |
|  | A1547-27/64IN               | 10,716                     | 27/64"                        | 110                  | 195                  | 128                  | 10,716                      |
|  | A1547-11                    | 11                         |                               | 110                  | 195                  | 128                  | 11                          |
|  | A1547-7/16IN                | 11,113                     | 7/16"                         | 110                  | 195                  | 128                  | 11,113                      |
|  | A1547-11.5                  | 11,5                       |                               | 110                  | 195                  | 128                  | 11,5                        |
|  | A1547-29/64IN               | 11,509                     | 29/64"                        | 110                  | 195                  | 128                  | 11,509                      |
|  | A1547-15/32IN               | 11,906                     | 15/32"                        | 120                  | 205                  | 134                  | 11,906                      |
|  | A1547-12                    | 12                         |                               | 120                  | 205                  | 134                  | 12                          |
|  | A1547-31/64IN               | 12,303                     | 31/64"                        | 120                  | 205                  | 134                  | 12,303                      |
|  | A1547-1/2IN                 | 12,7                       | 1/2"                          | 120                  | 205                  | 134                  | 12,7                        |

# Foret pour perçage profond en HSS, extra-long A1622

UFL®



~16×D<sub>c</sub>

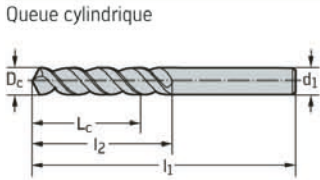
DIN 1869-I

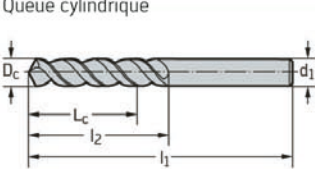


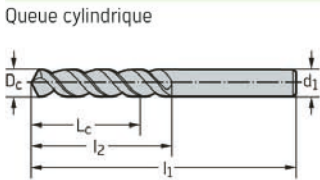
130°

|                 |    |   |     |     |   |   |   |
|-----------------|----|---|-----|-----|---|---|---|
|                 | P  | M | K   | N   | S | H | O |
| sans revêtement | ●● | ● | ●●● | ●●● | ● |   | ● |

|              | Désignation sans revêtement | D <sub>c</sub> h8 mm | D <sub>c</sub> pouces / n° | L <sub>c</sub> mm | l <sub>1</sub> mm | l <sub>2</sub> mm | d <sub>1</sub> f11 mm |
|--------------|-----------------------------|----------------------|----------------------------|-------------------|-------------------|-------------------|-----------------------|
|              | A1622-2                     | 2                    |                            | 81                | 125               | 85                | 2                     |
|              | A1622-2.1                   | 2,1                  |                            | 81                | 125               | 85                | 2,1                   |
|              | A1622-2.2                   | 2,2                  |                            | 86                | 135               | 90                | 2,2                   |
|              | A1622-2.3                   | 2,3                  |                            | 86                | 135               | 90                | 2,3                   |
|              | A1622-3/32IN                | 2,381                | 3/32"                      | 91                | 140               | 95                | 2,381                 |
|              | A1622-2.4                   | 2,4                  |                            | 91                | 140               | 95                | 2,4                   |
|              | A1622-N040                  | 2,489                | No. 40                     | 91                | 140               | 95                | 2,489                 |
|              | A1622-2.5                   | 2,5                  |                            | 91                | 140               | 95                | 2,5                   |
|              | A1622-N039                  | 2,527                | No. 39                     | 91                | 140               | 95                | 2,527                 |
|              | A1622-N038                  | 2,578                | No. 38                     | 91                | 140               | 95                | 2,578                 |
|              | A1622-2.6                   | 2,6                  |                            | 91                | 140               | 95                | 2,6                   |
|              | A1622-N037                  | 2,642                | No. 37                     | 91                | 140               | 95                | 2,642                 |
|              | A1622-2.7                   | 2,7                  |                            | 95                | 150               | 100               | 2,7                   |
|              | A1622-N036                  | 2,705                | No. 36                     | 95                | 150               | 100               | 2,705                 |
|              | A1622-7/64IN                | 2,778                | 7/64"                      | 95                | 150               | 100               | 2,778                 |
|              | A1622-N035                  | 2,794                | No. 35                     | 95                | 150               | 100               | 2,794                 |
|              | A1622-2.8                   | 2,8                  |                            | 95                | 150               | 100               | 2,8                   |
|              | A1622-N034                  | 2,819                | No. 34                     | 95                | 150               | 100               | 2,819                 |
|              | A1622-N033                  | 2,87                 | No. 33                     | 95                | 150               | 100               | 2,87                  |
|              | A1622-2.9                   | 2,9                  |                            | 95                | 150               | 100               | 2,9                   |
|              | A1622-N032                  | 2,946                | No. 32                     | 95                | 150               | 100               | 2,946                 |
|              | A1622-3                     | 3                    |                            | 95                | 150               | 100               | 3                     |
|              | A1622-N031                  | 3,048                | No. 31                     | 99                | 155               | 105               | 3,048                 |
|              | A1622-3.1                   | 3,1                  |                            | 99                | 155               | 105               | 3,1                   |
|              | A1622-1/8IN                 | 3,175                | 1/8"                       | 99                | 155               | 105               | 3,175                 |
|              | A1622-3.2                   | 3,2                  |                            | 99                | 155               | 105               | 3,2                   |
|              | A1622-N030                  | 3,264                | No. 30                     | 99                | 155               | 105               | 3,264                 |
|              | A1622-3.3                   | 3,3                  |                            | 99                | 155               | 105               | 3,3                   |
|              | A1622-3.4                   | 3,4                  |                            | 109               | 165               | 115               | 3,4                   |
|              | A1622-N029                  | 3,454                | No. 29                     | 109               | 165               | 115               | 3,454                 |
|              | A1622-3.5                   | 3,5                  |                            | 109               | 165               | 115               | 3,5                   |
|              | A1622-N028                  | 3,569                | No. 28                     | 109               | 165               | 115               | 3,569                 |
|              | A1622-9/64IN                | 3,572                | 9/64"                      | 109               | 165               | 115               | 3,572                 |
|              | A1622-3.6                   | 3,6                  |                            | 109               | 165               | 115               | 3,6                   |
| A1622-N027   | 3,658                       | No. 27               | 109                        | 165               | 115               | 3,658             |                       |
| A1622-3.7    | 3,7                         |                      | 109                        | 165               | 115               | 3,7               |                       |
| A1622-N026   | 3,734                       | No. 26               | 109                        | 165               | 115               | 3,734             |                       |
| A1622-N025   | 3,797                       | No. 25               | 113                        | 175               | 120               | 3,797             |                       |
| A1622-3.8    | 3,8                         |                      | 113                        | 175               | 120               | 3,8               |                       |
| A1622-N024   | 3,861                       | No. 24               | 113                        | 175               | 120               | 3,861             |                       |
| A1622-3.9    | 3,9                         |                      | 113                        | 175               | 120               | 3,9               |                       |
| A1622-N023   | 3,912                       | No. 23               | 113                        | 175               | 120               | 3,912             |                       |
| A1622-5/32IN | 3,969                       | 5/32"                | 113                        | 175               | 120               | 3,969             |                       |
| A1622-N022   | 3,988                       | No. 22               | 113                        | 175               | 120               | 3,988             |                       |

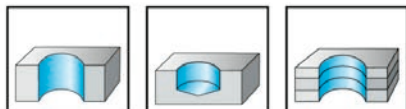
|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1622-4                     | 4                          |                               | 113                  | 175                  | 120                  | 4                           |
|  | A1622-N021                  | 4,039                      | No. 21                        | 113                  | 175                  | 120                  | 4,039                       |
|  | A1622-N020                  | 4,089                      | No. 20                        | 113                  | 175                  | 120                  | 4,089                       |
|  | A1622-4.1                   | 4,1                        |                               | 113                  | 175                  | 120                  | 4,1                         |
|  | A1622-4.2                   | 4,2                        |                               | 113                  | 175                  | 120                  | 4,2                         |
|  | A1622-N019                  | 4,216                      | No. 19                        | 113                  | 175                  | 120                  | 4,216                       |
|  | A1622-4.3                   | 4,3                        |                               | 117                  | 185                  | 125                  | 4,3                         |
|  | A1622-N018                  | 4,305                      | No. 18                        | 117                  | 185                  | 125                  | 4,305                       |
|  | A1622-11/64IN               | 4,366                      | 11/64"                        | 117                  | 185                  | 125                  | 4,366                       |
|  | A1622-N017                  | 4,394                      | No. 17                        | 117                  | 185                  | 125                  | 4,394                       |
|  | A1622-4.4                   | 4,4                        |                               | 117                  | 185                  | 125                  | 4,4                         |
|  | A1622-N016                  | 4,496                      | No. 16                        | 117                  | 185                  | 125                  | 4,496                       |
|  | A1622-4.5                   | 4,5                        |                               | 117                  | 185                  | 125                  | 4,5                         |
|  | A1622-N015                  | 4,572                      | No. 15                        | 117                  | 185                  | 125                  | 4,572                       |
|  | A1622-4.6                   | 4,6                        |                               | 117                  | 185                  | 125                  | 4,6                         |
|  | A1622-N014                  | 4,623                      | No. 14                        | 117                  | 185                  | 125                  | 4,623                       |
|  | A1622-N013                  | 4,699                      | No. 13                        | 117                  | 185                  | 125                  | 4,699                       |
|  | A1622-4.7                   | 4,7                        |                               | 117                  | 185                  | 125                  | 4,7                         |
|  | A1622-3/16IN                | 4,763                      | 3/16"                         | 127                  | 195                  | 135                  | 4,763                       |
|  | A1622-4.8                   | 4,8                        |                               | 127                  | 195                  | 135                  | 4,8                         |
|  | A1622-N012                  | 4,801                      | No. 12                        | 127                  | 195                  | 135                  | 4,801                       |
|  | A1622-N011                  | 4,851                      | No. 11                        | 127                  | 195                  | 135                  | 4,851                       |
|  | A1622-4.9                   | 4,9                        |                               | 127                  | 195                  | 135                  | 4,9                         |
|  | A1622-N010                  | 4,915                      | No. 10                        | 127                  | 195                  | 135                  | 4,915                       |
|  | A1622-N09                   | 4,978                      | No. 09                        | 127                  | 195                  | 135                  | 4,978                       |
|  | A1622-5                     | 5                          |                               | 127                  | 195                  | 135                  | 5                           |
|  | A1622-N08                   | 5,055                      | No. 08                        | 127                  | 195                  | 135                  | 5,055                       |
|  | A1622-5.1                   | 5,1                        |                               | 127                  | 195                  | 135                  | 5,1                         |
|  | A1622-N07                   | 5,105                      | No. 07                        | 127                  | 195                  | 135                  | 5,105                       |
|  | A1622-13/64IN               | 5,159                      | 13/64"                        | 127                  | 195                  | 135                  | 5,159                       |
|  | A1622-N06                   | 5,182                      | No. 06                        | 127                  | 195                  | 135                  | 5,182                       |
|  | A1622-5.2                   | 5,2                        |                               | 127                  | 195                  | 135                  | 5,2                         |
|  | A1622-N05                   | 5,22                       | No. 05                        | 127                  | 195                  | 135                  | 5,22                        |
|  | A1622-5.3                   | 5,3                        |                               | 127                  | 195                  | 135                  | 5,3                         |
|  | A1622-N04                   | 5,309                      | No. 04                        | 131                  | 205                  | 140                  | 5,309                       |
|  | A1622-5.4                   | 5,4                        |                               | 131                  | 205                  | 140                  | 5,4                         |
|  | A1622-N03                   | 5,41                       | No. 03                        | 131                  | 205                  | 140                  | 5,41                        |
|  | A1622-5.5                   | 5,5                        |                               | 131                  | 205                  | 140                  | 5,5                         |
|  | A1622-7/32IN                | 5,556                      | 7/32"                         | 131                  | 205                  | 140                  | 5,556                       |
|  | A1622-5.6                   | 5,6                        |                               | 131                  | 205                  | 140                  | 5,6                         |
|  | A1622-N02                   | 5,613                      | No. 02                        | 131                  | 205                  | 140                  | 5,613                       |
|  | A1622-5.7                   | 5,7                        |                               | 131                  | 205                  | 140                  | 5,7                         |
|  | A1622-N01                   | 5,791                      | No. 01                        | 131                  | 205                  | 140                  | 5,791                       |
|  | A1622-5.8                   | 5,8                        |                               | 131                  | 205                  | 140                  | 5,8                         |
|  | A1622-5.9                   | 5,9                        |                               | 131                  | 205                  | 140                  | 5,9                         |
|  | A1622-15/64IN               | 5,953                      | 15/64"                        | 131                  | 205                  | 140                  | 5,953                       |
|  | A1622-6                     | 6                          |                               | 131                  | 205                  | 140                  | 6                           |
|  | A1622-6.1                   | 6,1                        |                               | 139                  | 215                  | 150                  | 6,1                         |
|  | A1622-6.2                   | 6,2                        |                               | 139                  | 215                  | 150                  | 6,2                         |
|  | A1622-6.3                   | 6,3                        |                               | 139                  | 215                  | 150                  | 6,3                         |
|  | A1622-1/4IN                 | 6,35                       | 1/4"                          | 139                  | 215                  | 150                  | 6,35                        |
|  | A1622-6.4                   | 6,4                        |                               | 139                  | 215                  | 150                  | 6,4                         |
|  | A1622-6.5                   | 6,5                        |                               | 139                  | 215                  | 150                  | 6,5                         |
|  | A1622-6.6                   | 6,6                        |                               | 139                  | 215                  | 150                  | 6,6                         |
|  | A1622-6.7                   | 6,7                        |                               | 139                  | 215                  | 150                  | 6,7                         |
|  | A1622-17/64IN               | 6,747                      | 17/64"                        | 143                  | 225                  | 155                  | 6,747                       |
|  | A1622-6.8                   | 6,8                        |                               | 143                  | 225                  | 155                  | 6,8                         |
|  | A1622-6.9                   | 6,9                        |                               | 143                  | 225                  | 155                  | 6,9                         |
|  | A1622-7                     | 7                          |                               | 143                  | 225                  | 155                  | 7                           |
|  | A1622-7.1                   | 7,1                        |                               | 143                  | 225                  | 155                  | 7,1                         |
|  | A1622-9/32IN                | 7,144                      | 9/32"                         | 143                  | 225                  | 155                  | 7,144                       |
|  | A1622-7.2                   | 7,2                        |                               | 143                  | 225                  | 155                  | 7,2                         |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1622-7.3                   | 7,3                        |                               | 143                  | 225                  | 155                  | 7,3                         |
|  | A1622-7.4                   | 7,4                        |                               | 143                  | 225                  | 155                  | 7,4                         |
|  | A1622-7.5                   | 7,5                        |                               | 143                  | 225                  | 155                  | 7,5                         |
|  | A1622-19/64IN               | 7,541                      | 19/64"                        | 152                  | 240                  | 165                  | 7,541                       |
|  | A1622-7.6                   | 7,6                        |                               | 152                  | 240                  | 165                  | 7,6                         |
|  | A1622-7.7                   | 7,7                        |                               | 152                  | 240                  | 165                  | 7,7                         |
|  | A1622-7.8                   | 7,8                        |                               | 152                  | 240                  | 165                  | 7,8                         |
|  | A1622-7.9                   | 7,9                        |                               | 152                  | 240                  | 165                  | 7,9                         |
|  | A1622-5/16IN                | 7,938                      | 5/16"                         | 152                  | 240                  | 165                  | 7,938                       |
|  | A1622-8                     | 8                          |                               | 152                  | 240                  | 165                  | 8                           |
|  | A1622-8.1                   | 8,1                        |                               | 152                  | 240                  | 165                  | 8,1                         |
|  | A1622-8.2                   | 8,2                        |                               | 152                  | 240                  | 165                  | 8,2                         |
|  | A1622-8.3                   | 8,3                        |                               | 152                  | 240                  | 165                  | 8,3                         |
|  | A1622-21/64IN               | 8,334                      | 21/64"                        | 152                  | 240                  | 165                  | 8,334                       |
|  | A1622-8.4                   | 8,4                        |                               | 152                  | 240                  | 165                  | 8,4                         |
|  | A1622-8.5                   | 8,5                        |                               | 152                  | 240                  | 165                  | 8,5                         |
|  | A1622-8.6                   | 8,6                        |                               | 160                  | 250                  | 175                  | 8,6                         |
|  | A1622-8.7                   | 8,7                        |                               | 160                  | 250                  | 175                  | 8,7                         |
|  | A1622-11/32IN               | 8,731                      | 11/32"                        | 160                  | 250                  | 175                  | 8,731                       |
|  | A1622-8.8                   | 8,8                        |                               | 160                  | 250                  | 175                  | 8,8                         |
|  | A1622-8.9                   | 8,9                        |                               | 160                  | 250                  | 175                  | 8,9                         |
|  | A1622-9                     | 9                          |                               | 160                  | 250                  | 175                  | 9                           |
|  | A1622-9.1                   | 9,1                        |                               | 160                  | 250                  | 175                  | 9,1                         |
|  | A1622-23/64IN               | 9,128                      | 23/64"                        | 160                  | 250                  | 175                  | 9,128                       |
|  | A1622-9.2                   | 9,2                        |                               | 160                  | 250                  | 175                  | 9,2                         |
|  | A1622-9.3                   | 9,3                        |                               | 160                  | 250                  | 175                  | 9,3                         |
|  | A1622-9.4                   | 9,4                        |                               | 160                  | 250                  | 175                  | 9,4                         |
|  | A1622-9.5                   | 9,5                        |                               | 160                  | 250                  | 175                  | 9,5                         |
|  | A1622-3/8IN                 | 9,525                      | 3/8"                          | 169                  | 265                  | 185                  | 9,525                       |
|  | A1622-9.6                   | 9,6                        |                               | 169                  | 265                  | 185                  | 9,6                         |
|  | A1622-9.7                   | 9,7                        |                               | 169                  | 265                  | 185                  | 9,7                         |
|  | A1622-9.8                   | 9,8                        |                               | 169                  | 265                  | 185                  | 9,8                         |
|  | A1622-9.9                   | 9,9                        |                               | 169                  | 265                  | 185                  | 9,9                         |
|  | A1622-25/64IN               | 9,922                      | 25/64"                        | 169                  | 265                  | 185                  | 9,922                       |
|  | A1622-10                    | 10                         |                               | 169                  | 265                  | 185                  | 10                          |
|  | A1622-13/32IN               | 10,319                     | 13/32"                        | 169                  | 265                  | 185                  | 10,319                      |
|  | A1622-10.5                  | 10,5                       |                               | 169                  | 265                  | 185                  | 10,5                        |
|  | A1622-27/64IN               | 10,716                     | 27/64"                        | 177                  | 280                  | 195                  | 10,716                      |
|  | A1622-11                    | 11                         |                               | 177                  | 280                  | 195                  | 11                          |
|  | A1622-7/16IN                | 11,113                     | 7/16"                         | 177                  | 280                  | 195                  | 11,113                      |
|  | A1622-11.5                  | 11,5                       |                               | 177                  | 280                  | 195                  | 11,5                        |
|  | A1622-29/64IN               | 11,509                     | 29/64"                        | 177                  | 280                  | 195                  | 11,509                      |
|  | A1622-15/32IN               | 11,906                     | 15/32"                        | 191                  | 295                  | 205                  | 11,906                      |
|  | A1622-12                    | 12                         |                               | 191                  | 295                  | 205                  | 12                          |
|  | A1622-31/64IN               | 12,303                     | 31/64"                        | 191                  | 295                  | 205                  | 12,303                      |
|  | A1622-1/2IN                 | 12,7                       | 1/2"                          | 191                  | 295                  | 205                  | 12,7                        |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | D <sub>c</sub><br>pouces / n° | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------|-----------------------------|
| Queue cylindrique  | A1622-7.3                   | 7,3                        |                               | 143                  | 225                  | 155                  | 7,3                         |
|  | A1622-7.4                   | 7,4                        |                               | 143                  | 225                  | 155                  | 7,4                         |
|  | A1622-7.5                   | 7,5                        |                               | 143                  | 225                  | 155                  | 7,5                         |
|  | A1622-19/64IN               | 7,541                      | 19/64"                        | 152                  | 240                  | 165                  | 7,541                       |
|  | A1622-7.6                   | 7,6                        |                               | 152                  | 240                  | 165                  | 7,6                         |
|  | A1622-7.7                   | 7,7                        |                               | 152                  | 240                  | 165                  | 7,7                         |
|  | A1622-7.8                   | 7,8                        |                               | 152                  | 240                  | 165                  | 7,8                         |
|  | A1622-7.9                   | 7,9                        |                               | 152                  | 240                  | 165                  | 7,9                         |
|  | A1622-5/16IN                | 7,938                      | 5/16"                         | 152                  | 240                  | 165                  | 7,938                       |
|  | A1622-8                     | 8                          |                               | 152                  | 240                  | 165                  | 8                           |
|  | A1622-8.1                   | 8,1                        |                               | 152                  | 240                  | 165                  | 8,1                         |
|  | A1622-8.2                   | 8,2                        |                               | 152                  | 240                  | 165                  | 8,2                         |
|  | A1622-8.3                   | 8,3                        |                               | 152                  | 240                  | 165                  | 8,3                         |
|  | A1622-21/64IN               | 8,334                      | 21/64"                        | 152                  | 240                  | 165                  | 8,334                       |
|  | A1622-8.4                   | 8,4                        |                               | 152                  | 240                  | 165                  | 8,4                         |
|  | A1622-8.5                   | 8,5                        |                               | 152                  | 240                  | 165                  | 8,5                         |
|  | A1622-8.6                   | 8,6                        |                               | 160                  | 250                  | 175                  | 8,6                         |
|  | A1622-8.7                   | 8,7                        |                               | 160                  | 250                  | 175                  | 8,7                         |
|  | A1622-11/32IN               | 8,731                      | 11/32"                        | 160                  | 250                  | 175                  | 8,731                       |
|  | A1622-8.8                   | 8,8                        |                               | 160                  | 250                  | 175                  | 8,8                         |
|  | A1622-8.9                   | 8,9                        |                               | 160                  | 250                  | 175                  | 8,9                         |
|  | A1622-9                     | 9                          |                               | 160                  | 250                  | 175                  | 9                           |
|  | A1622-9.1                   | 9,1                        |                               | 160                  | 250                  | 175                  | 9,1                         |
|  | A1622-23/64IN               | 9,128                      | 23/64"                        | 160                  | 250                  | 175                  | 9,128                       |
|  | A1622-9.2                   | 9,2                        |                               | 160                  | 250                  | 175                  | 9,2                         |
|  | A1622-9.3                   | 9,3                        |                               | 160                  | 250                  | 175                  | 9,3                         |
|  | A1622-9.4                   | 9,4                        |                               | 160                  | 250                  | 175                  | 9,4                         |
|  | A1622-9.5                   | 9,5                        |                               | 160                  | 250                  | 175                  | 9,5                         |
|  | A1622-3/8IN                 | 9,525                      | 3/8"                          | 169                  | 265                  | 185                  | 9,525                       |
|  | A1622-9.6                   | 9,6                        |                               | 169                  | 265                  | 185                  | 9,6                         |
|  | A1622-9.7                   | 9,7                        |                               | 169                  | 265                  | 185                  | 9,7                         |
|  | A1622-9.8                   | 9,8                        |                               | 169                  | 265                  | 185                  | 9,8                         |
|  | A1622-9.9                   | 9,9                        |                               | 169                  | 265                  | 185                  | 9,9                         |
|  | A1622-25/64IN               | 9,922                      | 25/64"                        | 169                  | 265                  | 185                  | 9,922                       |
|  | A1622-10                    | 10                         |                               | 169                  | 265                  | 185                  | 10                          |
|  | A1622-13/32IN               | 10,319                     | 13/32"                        | 169                  | 265                  | 185                  | 10,319                      |
|  | A1622-10.5                  | 10,5                       |                               | 169                  | 265                  | 185                  | 10,5                        |
|  | A1622-27/64IN               | 10,716                     | 27/64"                        | 177                  | 280                  | 195                  | 10,716                      |
|  | A1622-11                    | 11                         |                               | 177                  | 280                  | 195                  | 11                          |
|  | A1622-7/16IN                | 11,113                     | 7/16"                         | 177                  | 280                  | 195                  | 11,113                      |
|  | A1622-11.5                  | 11,5                       |                               | 177                  | 280                  | 195                  | 11,5                        |
|  | A1622-29/64IN               | 11,509                     | 29/64"                        | 177                  | 280                  | 195                  | 11,509                      |
|  | A1622-15/32IN               | 11,906                     | 15/32"                        | 191                  | 295                  | 205                  | 11,906                      |
|  | A1622-12                    | 12                         |                               | 191                  | 295                  | 205                  | 12                          |
|  | A1622-31/64IN               | 12,303                     | 31/64"                        | 191                  | 295                  | 205                  | 12,303                      |
|  | A1622-1/2IN                 | 12,7                       | 1/2"                          | 191                  | 295                  | 205                  | 12,7                        |

# Foret pour perçage profond e HSS, extra-long A1722

UFL®



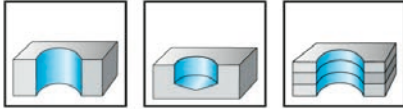
|                 | P  | M | K  | N  | S | H | O |
|-----------------|----|---|----|----|---|---|---|
| sans revêtement | ●● | ● | ●● | ●● | ● |   | ● |

|            | Désignation<br>sans revêtement | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|------------|--------------------------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|
|            | A1722-3                        | 3                          | 125                  | 190                  | 130                  | 3                           |
|            | A1722-3.5                      | 3,5                        | 139                  | 210                  | 145                  | 3,5                         |
|            | A1722-4                        | 4                          | 143                  | 220                  | 150                  | 4                           |
|            | A1722-4.5                      | 4,5                        | 152                  | 235                  | 160                  | 4,5                         |
|            | A1722-5                        | 5                          | 162                  | 245                  | 170                  | 5                           |
|            | A1722-5.5                      | 5,5                        | 171                  | 260                  | 180                  | 5,5                         |
|            | A1722-6                        | 6                          | 171                  | 260                  | 180                  | 6                           |
|            | A1722-6.5                      | 6,5                        | 179                  | 275                  | 190                  | 6,5                         |
|            | A1722-7                        | 7                          | 188                  | 290                  | 200                  | 7                           |
|            | A1722-7.5                      | 7,5                        | 188                  | 290                  | 200                  | 7,5                         |
|            | A1722-8                        | 8                          | 197                  | 305                  | 210                  | 8                           |
|            | A1722-8.5                      | 8,5                        | 197                  | 305                  | 210                  | 8,5                         |
|            | A1722-9                        | 9                          | 205                  | 320                  | 220                  | 9                           |
| A1722-9.5  | 9,5                            | 205                        | 320                  | 220                  | 9,5                  |                             |
| A1722-10   | 10                             | 219                        | 340                  | 235                  | 10                   |                             |
| A1722-10.5 | 10,5                           | 219                        | 340                  | 235                  | 10,5                 |                             |
| A1722-11   | 11                             | 232                        | 360                  | 250                  | 11                   |                             |
| A1722-11.5 | 11,5                           | 232                        | 360                  | 250                  | 11,5                 |                             |
| A1722-12   | 12                             | 246                        | 380                  | 260                  | 12                   |                             |



# Foret pour perçage profond en HSS, extra-long A1822

UFL®



~30×D<sub>c</sub>

DIN 1869-III

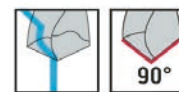
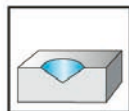


130°

|                 | P  | M | K  | N  | S | H | O |
|-----------------|----|---|----|----|---|---|---|
| sans revêtement | ●● | ● | ●● | ●● | ● |   | ● |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | L <sub>c</sub><br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |     |
|--|-----------------------------|----------------------------|----------------------|----------------------|----------------------|-----------------------------|-----|
|  | Queue cylindrique           | A1822-3.5                  | 3,5                  | 174                  | 265                  | 180                         | 3,5 |
|  |                             | A1822-4                    | 4                    | 183                  | 280                  | 190                         | 4   |
|  |                             | A1822-4.5                  | 4,5                  | 192                  | 295                  | 200                         | 4,5 |
|  |                             | A1822-5                    | 5                    | 202                  | 315                  | 210                         | 5   |
|  |                             | A1822-5.5                  | 5,5                  | 216                  | 330                  | 225                         | 5,5 |
|  |                             | A1822-6                    | 6                    | 216                  | 330                  | 225                         | 6   |
|  |                             | A1822-6.5                  | 6,5                  | 224                  | 350                  | 235                         | 6,5 |
|  |                             | A1822-7                    | 7                    | 238                  | 370                  | 250                         | 7   |
|  |                             | A1822-7.5                  | 7,5                  | 238                  | 370                  | 250                         | 7,5 |
|  |                             | A1822-8                    | 8                    | 252                  | 390                  | 265                         | 8   |
|  |                             | A1822-8.5                  | 8,5                  | 252                  | 390                  | 265                         | 8,5 |
|  |                             | A1822-9                    | 9                    | 265                  | 410                  | 280                         | 9   |
|  |                             | A1822-9.5                  | 9,5                  | 265                  | 410                  | 280                         | 9,5 |
|  | A1822-10                    | 10                         | 279                  | 430                  | 295                  | 10                          |     |
|  | A1822-10.5                  | 10,5                       | 279                  | 430                  | 295                  | 10,5                        |     |
|  | A1822-11                    | 11                         | 287                  | 450                  | 305                  | 11                          |     |
|  | A1822-11.5                  | 11,5                       | 287                  | 450                  | 305                  | 11,5                        |     |
|  | A1822-12                    | 12                         | 291                  | 480                  | 305                  | 12                          |     |

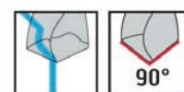
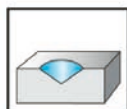
# Foret à pointer NC en carbure monobloc 90 ° A1174



|                 | P | M | K | N  | S  | H | O  |
|-----------------|---|---|---|----|----|---|----|
| sans revêtement |   |   | ● | ●● | ●● |   | ●● |

|  | Désignation sans revêtement | D <sub>c</sub><br>h6<br>mm | D <sub>c</sub><br>pouces / n° | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------------|
|  | A1174-3                     | 3                          |                               | 46                   | 11                   | 3                          |
|  | A1174-4                     | 4                          |                               | 55                   | 15                   | 4                          |
|  | A1174-5                     | 5                          |                               | 62                   | 16                   | 5                          |
|  | A1174-6                     | 6                          |                               | 66                   | 17                   | 6                          |
|  | A1174-1/4IN                 | 6,35                       | 1/4"                          | 70                   | 18                   | 6,35                       |
|  | A1174-8                     | 8                          |                               | 79                   | 22                   | 8                          |
|  | A1174-3/8IN                 | 9,525                      | 3/8"                          | 89                   | 26                   | 9,525                      |
|  | A1174-10                    | 10                         |                               | 89                   | 26                   | 10                         |
|  | A1174-12                    | 12                         |                               | 102                  | 30                   | 12                         |
|  | A1174-16                    | 16                         |                               | 115                  | 34                   | 16                         |
|  | A1174-20                    | 20                         |                               | 131                  | 40                   | 20                         |

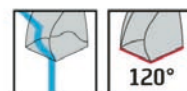
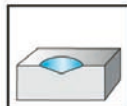
# Foret à pointer NC en HSS 90 ° A1115



|                 | P  | M | K  | N  | S | H | O  |
|-----------------|----|---|----|----|---|---|----|
| sans revêtement | ●● | ● | ●● | ●● | ● |   | ●● |

|  | Désignation sans revêtement | D <sub>c</sub><br>h8<br>mm | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>f11<br>mm |
|--|-----------------------------|----------------------------|----------------------|----------------------|-----------------------------|
|  | A1115-4                     | 4                          | 55                   | 18                   | 4                           |
|  | A1115-5                     | 5                          | 62                   | 21                   | 5                           |
|  | A1115-6                     | 6                          | 66                   | 22                   | 6                           |
|  | A1115-8                     | 8                          | 79                   | 30                   | 8                           |
|  | A1115-10                    | 10                         | 89                   | 34                   | 10                          |
|  | A1115-12                    | 12                         | 102                  | 41                   | 12                          |
|  | A1115-16                    | 16                         | 115                  | 46                   | 16                          |
|  | A1115-20                    | 20                         | 131                  | 53                   | 20                          |

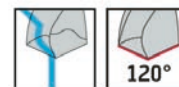
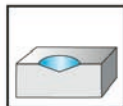
# Foret à pointer NC en carbure monobloc HSS 120° A1174C



|                 |   |   |   |    |    |   |    |
|-----------------|---|---|---|----|----|---|----|
|                 | P | M | K | N  | S  | H | O  |
| sans revêtement |   |   | ● | ●● | ●● |   | ●● |

|  | Désignation sans revêtement | D <sub>c</sub><br>h6<br>mm | D <sub>c</sub><br>pouces / n° | l <sub>1</sub><br>mm | l <sub>2</sub><br>mm | d <sub>1</sub><br>h6<br>mm |
|--|-----------------------------|----------------------------|-------------------------------|----------------------|----------------------|----------------------------|
|  | Queue cylindrique           |                            |                               |                      |                      |                            |
|  | A1174C-3                    | 3                          |                               | 46                   | 11                   | 3                          |
|  | A1174C-4                    | 4                          |                               | 55                   | 15                   | 4                          |
|  | A1174C-5                    | 5                          |                               | 62                   | 16                   | 5                          |
|  | A1174C-6                    | 6                          |                               | 66                   | 17                   | 6                          |
|  | A1174C-1/4IN                | 6,35                       | 1/4"                          | 70                   | 18                   | 6,35                       |
|  | A1174C-8                    | 8                          |                               | 79                   | 22                   | 8                          |
|  | A1174C-10                   | 10                         |                               | 89                   | 26                   | 10                         |
|  | A1174C-12                   | 12                         |                               | 102                  | 30                   | 12                         |
|  | A1174C-1/2IN                | 12,7                       | 1/2"                          | 102                  | 30                   | 12,7                       |
|  | A1174C-5/8IN                | 15,875                     | 5/8"                          | 115                  | 34                   | 15,875                     |
|  | A1174C-16                   | 16                         |                               | 115                  | 34                   | 16                         |

# Foret à pointer NC en HSS 120 ° A1114



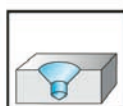
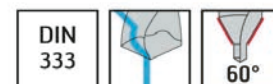
|                 | P  | M  | K  | N  | S  | H  | O  |
|-----------------|----|----|----|----|----|----|----|
| sans revêtement | ●● | ●● | ●● | ●● | ●● | ●● | ●● |

|  | Désignation sans revêtement | D <sub>c</sub> h8 mm | l <sub>1</sub> mm | l <sub>2</sub> mm | d <sub>1</sub> f11 mm |
|--|-----------------------------|----------------------|-------------------|-------------------|-----------------------|
|  | A1114-4                     | 4                    | 55                | 18                | 4                     |
|  | A1114-5                     | 5                    | 62                | 21                | 5                     |
|  | A1114-6                     | 6                    | 66                | 22                | 6                     |
|  | A1114-8                     | 8                    | 79                | 30                | 8                     |
|  | A1114-10                    | 10                   | 89                | 34                | 10                    |
|  | A1114-12                    | 12                   | 102               | 41                | 12                    |
|  | A1114-16                    | 16                   | 115               | 46                | 16                    |
|  | A1114-20                    | 20                   | 131               | 53                | 20                    |

# Foret à centrer en carbure monobloc K1161XPL / K1161



- Pour des surfaces de contact droites conformes à la norme DIN 332 A
- Forme A



|                 | P  | M  | K  | N  | S  | H  | O  |
|-----------------|----|----|----|----|----|----|----|
| XPL             | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| sans revêtement | ●● | ●● | ●● | ●● | ●● | ●● | ●● |

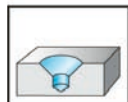
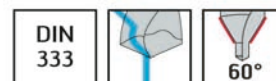
|  | Désignation XPL | Désignation sans revêtement | D <sub>c</sub> k12 mm | l <sub>1</sub> mm | d <sub>1</sub> h9 mm |
|--|-----------------|-----------------------------|-----------------------|-------------------|----------------------|
|  | K1161XPL-0.5    | K1161-0.5                   | 0,5                   | 25                | 3,15                 |
|  | K1161XPL-0.8    | K1161-0.8                   | 0,8                   | 25                | 3,15                 |
|  | K1161XPL-1      | K1161-1                     | 1                     | 31,5              | 3,15                 |
|  | K1161XPL-1.25   | K1161-1.25                  | 1,25                  | 31,5              | 3,15                 |
|  | K1161XPL-1.6    | K1161-1.6                   | 1,6                   | 35,5              | 4                    |
|  | K1161XPL-2      | K1161-2                     | 2                     | 40                | 5                    |
|  | K1161XPL-2.5    | K1161-2.5                   | 2,5                   | 45                | 6,3                  |
|  | K1161XPL-3.15   | K1161-3.15                  | 3,15                  | 50                | 8                    |
|  | K1161XPL-4      | K1161-4                     | 4                     | 56                | 10                   |
|  | K1161XPL-5      | K1161-5                     | 5                     | 63                | 12,5                 |
|  | K1161XPL-6.3    | K1161-6.3                   | 6,3                   | 71                | 16                   |

D<sub>c</sub> 0,5 / 0,8 mm, uniquement d'un seul côté

# Foret à centrer en HSS K1111 / K1111TIN



- Pour des surfaces de contact droites conformes à la norme DIN 332 A
- Forme A



|                 | P  | M  | K  | N  | S  | H | O  |
|-----------------|----|----|----|----|----|---|----|
| TIN             | ●● | ●● | ●● | ●● | ●● |   | ●● |
| sans revêtement | ●● | ●● | ●● | ●● | ●● |   | ●● |

|                          | Désignation<br>TIN | Désignation<br>sans revêtement | D <sub>c</sub><br>k12<br>mm | l <sub>1</sub><br>mm | d <sub>1</sub><br>h9<br>mm |      |
|--------------------------|--------------------|--------------------------------|-----------------------------|----------------------|----------------------------|------|
| <p>Queue cylindrique</p> |                    | K1111-0.5                      | 0,5                         | 25                   | 3,15                       |      |
|                          |                    |                                | K1111-0.8                   | 0,8                  | 25                         | 3,15 |
|                          | K1111TIN-1         | K1111-1                        | 1                           | 31,5                 | 3,15                       |      |
|                          | K1111TIN-1.25      | K1111-1.25                     | 1,25                        | 31,5                 | 3,15                       |      |
|                          | K1111TIN-1.6       | K1111-1.6                      | 1,6                         | 35,5                 | 4                          |      |
|                          | K1111TIN-2         | K1111-2                        | 2                           | 40                   | 5                          |      |
|                          | K1111TIN-2.5       | K1111-2.5                      | 2,5                         | 45                   | 6,3                        |      |
|                          | K1111TIN-3.15      | K1111-3.15                     | 3,15                        | 50                   | 8                          |      |
|                          | K1111TIN-4         | K1111-4                        | 4                           | 56                   | 10                         |      |
|                          | K1111TIN-5         | K1111-5                        | 5                           | 63                   | 12,5                       |      |
|                          |                    |                                | K1111-6.3                   | 6,3                  | 71                         | 16   |
|                          |                    |                                | K1111-8                     | 8                    | 80                         | 20   |
|                          |                    |                                | K1111-10                    | 10                   | 100                        | 25   |
|                          |                    |                                | K1111-12.5                  | 12,5                 | 125                        | 31,5 |

D<sub>c</sub> 0,5 / 0,8 mm, uniquement d'un seul côté

# Jeu de tarauds à main en HSS

## HGB

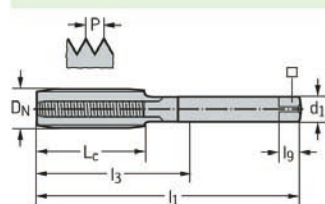


– Pour matériaux à copeaux longs et courts



|                 |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|
|                 | P | M | K | N | S | H | O |
| sans revêtement | ● | ● | ● | ● | ● | ● | ● |

### DIN 352



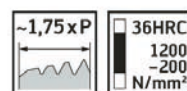
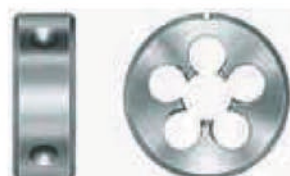
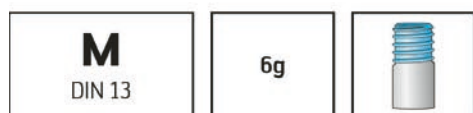
| Désignation sans revêtement | D <sub>N</sub> | P mm | l <sub>1</sub> mm | L <sub>c</sub> mm | l <sub>3</sub> mm | d <sub>1</sub> h9 mm | mm   | l <sub>9</sub> mm | N |
|-----------------------------|----------------|------|-------------------|-------------------|-------------------|----------------------|------|-------------------|---|
| 30060-M2                    | M 2            | 0,4  | 36                | 8                 | 8                 | 2,8                  | 2,1  | 5                 | 3 |
| 30060-M2.5                  | M 2.5          | 0,45 | 40                | 9                 | 9                 | 2,8                  | 2,1  | 5                 | 3 |
| 30060-M3                    | M 3            | 0,5  | 40                | 9                 | 13,5              | 3,5                  | 2,7  | 6                 | 3 |
| 30060-M4                    | M 4            | 0,7  | 45                | 11                | 16,5              | 4,5                  | 3,4  | 6                 | 3 |
| 30060-M5                    | M 5            | 0,8  | 50                | 13                | 19                | 6                    | 4,9  | 8                 | 3 |
| 30060-M6                    | M 6            | 1    | 56                | 15                | 27                | 6                    | 4,9  | 8                 | 3 |
| 30060-M8                    | M 8            | 1,25 | 63                | 19                | 40                | 6                    | 4,9  | 8                 | 3 |
| 30060-M10                   | M 10           | 1,5  | 70                | 22                | 47                | 7                    | 5,5  | 8                 | 3 |
| 30060-M12                   | M 12           | 1,75 | 75                | 25                | 48                | 9                    | 7    | 10                | 4 |
| 30060-M16                   | M 16           | 2    | 80                | 25                | 38                | 12                   | 9    | 12                | 4 |
| 30060-M20                   | M 20           | 2,5  | 95                | 32                | 50                | 16                   | 12   | 15                | 4 |
| 30060-M24                   | M 24           | 3    | 110               | 34                | 63                | 18                   | 14,5 | 17                | 4 |
| 30060-M30                   | M 30           | 3,5  | 125               | 40                | 60                | 22                   | 18   | 21                | 4 |

Cette référence de commande comprend un ébaucheur, un intermédiaire et un finisseur.  
 ≤ M 2,5 : sans dégagement après la partie filetée

### Filière en HSS

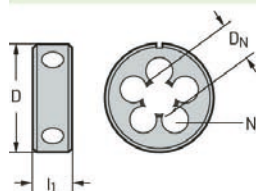
#### Protocut®

– Pour matériaux à copeaux longs et courts



|                 |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|
|                 | P | M | K | N | S | H | O |
| sans revêtement | ● | ● | ● | ● | ● | ● | ● |

### EN 22568



| Désignation sans revêtement | D <sub>N</sub> | P mm | D f10 mm | l <sub>1</sub> mm | N |
|-----------------------------|----------------|------|----------|-------------------|---|
| 60000-M1                    | M 1            | 0,25 | 16       | 5                 | 3 |
| 60000-M1.2                  | M 1.2          | 0,25 | 16       | 5                 | 3 |
| 60000-M1.4                  | M 1.4          | 0,3  | 16       | 5                 | 3 |
| 60000-M1.6                  | M 1.6          | 0,35 | 16       | 5                 | 3 |
| 60000-M2                    | M 2            | 0,4  | 16       | 5                 | 3 |
| 60000-M2.5                  | M 2.5          | 0,45 | 16       | 5                 | 3 |
| 60000-M3                    | M 3            | 0,5  | 20       | 5                 | 3 |
| 60000-M4                    | M 4            | 0,7  | 20       | 5                 | 3 |
| 60000-M5                    | M 5            | 0,8  | 20       | 7                 | 4 |
| 60000-M6                    | M 6            | 1    | 20       | 7                 | 4 |
| 60000-M8                    | M 8            | 1,25 | 25       | 9                 | 4 |
| 60000-M10                   | M 10           | 1,5  | 30       | 11                | 4 |
| 60000-M12                   | M 12           | 1,75 | 38       | 14                | 4 |
| 60000-M14                   | M 14           | 2    | 38       | 14                | 5 |
| 60000-M16                   | M 16           | 2    | 45       | 18                | 5 |
| 60000-M20                   | M 20           | 2,5  | 45       | 18                | 5 |
| 60000-M24                   | M 24           | 3    | 55       | 22                | 5 |
| 60000-M30                   | M 30           | 3,5  | 65       | 25                | 6 |

≤ M 1,4 : 6h, ≥ M 1,6 : 6g



## 3. MACHINES

### TAPPING MACHINE T4 M

#### SEMI-AUTOMATIC

When the operator presses the control lever, a force sensor detects the effort of the tap on the coin.

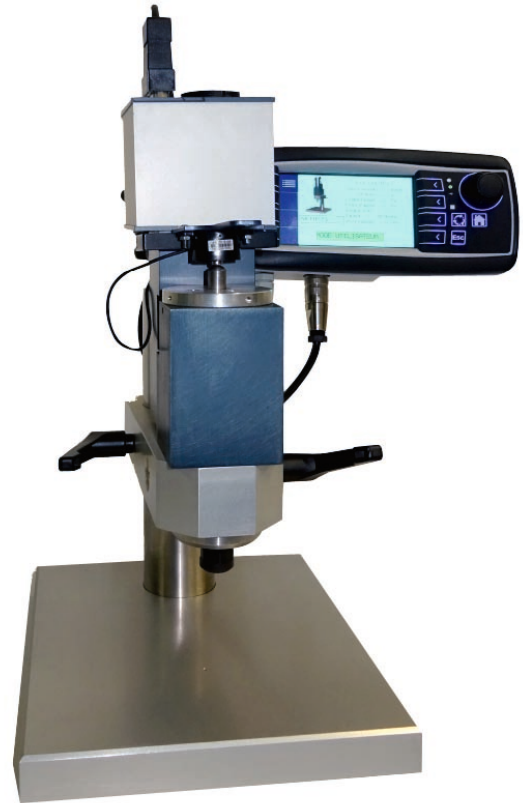
When the force becomes greater than the programmed value (in %), the cycle  
Tapping is performed with the current data.



MENU  
TOUCH

Pressing the menu key gives access to the settings and functions of the tapping machine

Current tapping parameters



#### CHARACTERISTICS :

Weight : 14kg  
Power supply : 220 V / 1A  
Type of pliers : EX12 schaublin  
Motor power : 150w  
Tapping speed : 100 à 3000 tr/mn  
Number of revolutions : 0,1 à 99 trs

Sensitive triggering (by force sensor)  
Color display 480x272 pixels

| Ref.  | Designation           | Tapping range  | Price     |
|-------|-----------------------|----------------|-----------|
| 16236 | T4M<br>Semi Automatic | 100 à 3000 trs | 10'500.00 |

Conditions of sale : Net prices  
January 2023



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

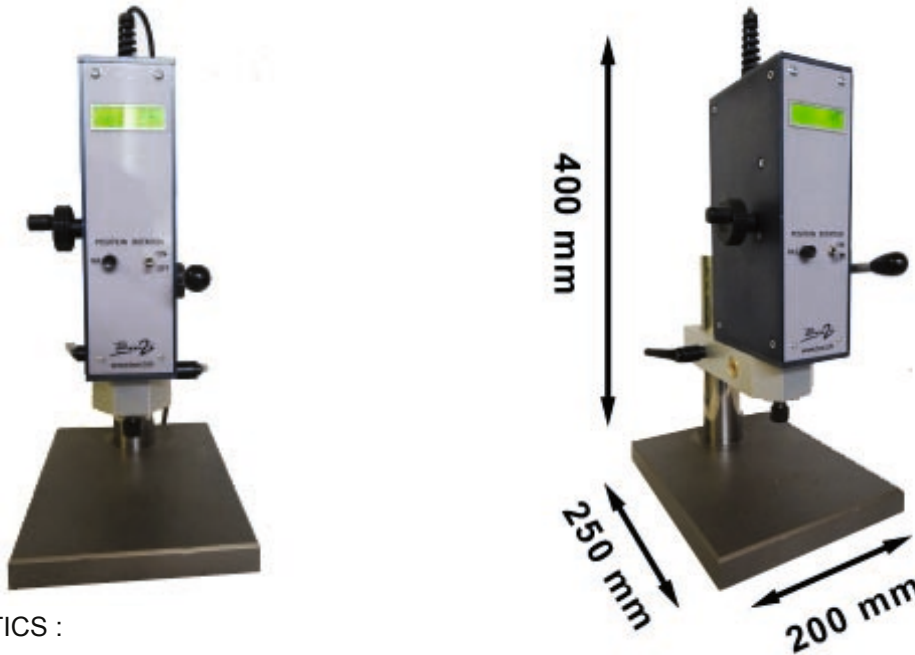
PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : INFO@SCHURCH-ASCO.COM

WEB : WWW.SCHURCH-ASCO.COM

## MANUAL ELECTRO-SPINDLE V5M



### CHARACTERISTICS :

Weight : 14kg  
Power supply : 220 V / 1A  
Type of pliers : EX12 schaublin  
Motor power : 150w  
Drilling speed : 100 à 12000 tr/mn  
Speed display  
Max. vertical travel : 18 mm

Depth stop with 1/100 digital display

**Conditions of sale : Net prices**

| Ref.  | Designation       | Price    |
|-------|-------------------|----------|
| 16237 | Electrobroche V5M | 9'300.00 |

### Plier ESX-9

Plier SCHAUBLIN for floating chuck PHA-E9



| Ref.  | Acceptable shaft diameter | Price  |
|-------|---------------------------|--------|
| 16195 | 1                         | 108,20 |
| 16196 | 1.50                      | 75,65  |
| 16197 | 2.00                      | 96,10  |
| 16198 | 2.50                      | 75,65  |
| 16199 | 3.00                      | 62,45  |
| 16200 | 4.00                      | 61.95  |

**Conditions of sale : Net prices**

**134 Machines**

January 2023





## Plier ER 8 mm for Tapping-Machine

Arbor diameter is 8 mm and the chucks for the following tools are available: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5. The model must be precised in the order.

| Ref.  | Designation               | Price |
|-------|---------------------------|-------|
| 16239 | Plier ER 8 mm DIA. 1 mm   | 47,05 |
| 16240 | Plier ER 8 mm DIA. 1.5 mm | 47,05 |
| 16241 | Plier ER 8 mm DIA. 2 mm   | 47,05 |
| 16242 | Plier ER 8 mm DIA. 2.5 mm | 47,05 |
| 16243 | Plier ER 8 mm DIA. 3 mm   | 39,70 |
| 16244 | Plier ER 8 mm DIA. 3.5 mm | 39,70 |
| 16245 | Plier ER 8 mm DIA. 4 mm   | 39,70 |
| 16246 | Plier ER 8 mm DIA. 4.5 mm | 39,70 |
| 16247 | Plier ER 8 mm DIA. 5 mm   | 39,70 |



Conditions of sale : Net prices

## Compensation Plier ET1

Standard and elongated Plier (AL) with 12 and 16 ext. diameter, DIN 6499, ER/ESX, 8° for small dimension tapping.

| Ref.  | Acceptable Shaft Dia.                        | ext. Dia. | NUMBER   | Price |
|-------|--|-----------|----------|-------|
| 16204 | 2.00 ISO                                     | 12        | 12200    | 80,65 |
| 16205 | 3.00 JAP                                     | 12        | 12300    | 80,65 |
| 16231 | 4.00 DIN+ISO+JAP                             | 16        | 16400    | 80,65 |
| 16206 | 1.00   | 12        | 12100 AL | 80,65 |
| 16207 | 1.50   | 12        | 12150 AL | 80,65 |
| 16208 | 2.00   | 12        | 12200 AL | 80,65 |
| 16227 | 1.00   | 16        | 16100 AL | 80,65 |
| 16228 | 1.50   | 16        | 16150 AL | 80,65 |
| 16229 | 2.00   | 16        | 16200 AL | 80,65 |
| 16209 | screw for tapping-machine Plier M 2.5 x 2.30 |           |          | 1,60  |



Conditions of sale: Discount of 10 % for 10 identical pieces.



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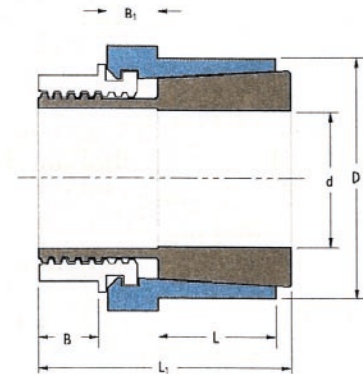
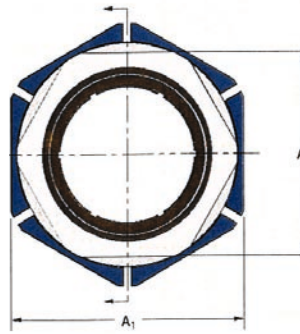
PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Gripping hub

### TRANTORQUE

TOLÉRANCE ( $T_L$ )

$T_L$  for shaft and bore is  $\pm .08$  mm for all sizes



For the assembly of constituents like disc, pulley without hub or brake disk on exit arbor, engineers use the traditional system of keyway assembly. However, this assembly system often implies an imprecise axial and radial components positioning and the resulting operational costs, like the switching off of the machines and the productivity losses, are high.

The gripping hub Trantorque is easily assembled and eliminates the operational problems associated with keyway assembly. It can avoid the corrosion fretting, the torsion play and the matting of the key associated with a keyway assembly. It can be put on a grooved arbor to replace a used or damaged key and it needs only one gripping nut.

| Ref.  | Type     | $\varnothing d_{axis}$ | D<br>Constituent<br>diameter | Maximum |    | Pressure<br>on axis<br>N/mm <sup>2</sup> | $L_1$ | L  | A  | B  | Weight<br>g | Clamping<br>Torque<br>Nm | Price |
|-------|----------|------------------------|------------------------------|---------|----|--|-------|----|----|----|-------------|--------------------------|-------|
|       |          |                        |                              | Nm      | kN |  |       |    |    |    |             |                          |       |
| 16771 | TTQM0516 | 5                      | 16                           | 9       | 3  | 84                                       | 19    | 10 | 13 | 3  | 18.8        | 14                       | 35.00 |
| 16772 | TTQM0616 | 6                      | 16                           | 12      | 4  | 93                                       | 19    | 10 | 13 | 3  | 18.1        | 14                       | 35.00 |
| 16773 | TTQM0720 | 7                      | 20                           | 22      | 6  | 103                                      | 22    | 11 | 16 | 3  | 33.9        | 28                       | 38.00 |
| 16774 | TTQM0820 | 8                      | 20                           | 32      | 7  | 113                                      | 22    | 11 | 16 | 3  | 32.9        | 28                       | 38.00 |
| 16775 | TTQM0920 | 9                      | 20                           | 42      | 9  | 123                                      | 22    | 11 | 16 | 3  | 31.8        | 28                       | 38.00 |
| 16776 | TTQM1023 | 10                     | 23                           | 51      | 11 | 119                                      | 26    | 13 | 19 | 5  | 48.9        | 44                       | 40.00 |
| 16777 | TTQM1123 | 11                     | 23                           | 60      | 12 | 115                                      | 26    | 13 | 19 | 5  | 47.2        | 44                       | 40.00 |
| 16778 | TTQM1223 | 12                     | 23                           | 69      | 13 | 111                                      | 26    | 13 | 19 | 5  | 45.4        | 44                       | 40.00 |
| 16779 | TTQM1426 | 14                     | 26                           | 96      | 14 | 110                                      | 29    | 16 | 22 | 5  | 64.9        | 66                       | 46.00 |
| 16780 | TTQM1526 | 15                     | 26                           | 122     | 15 | 108                                      | 29    | 16 | 22 | 5  | 62          | 66                       | 46.00 |
| 16781 | TTQM1626 | 16                     | 26                           | 149     | 16 | 107                                      | 29    | 16 | 22 | 5  | 59          | 66                       | 46.00 |
| 16782 | TTQM1732 | 17                     | 32                           | 174     | 18 | 100                                      | 30    | 22 | 30 | 6  | 118.6       | 110                      | 48.00 |
| 16783 | TTQM1832 | 18                     | 32                           | 198     | 21 | 92                                       | 30    | 22 | 30 | 6  | 113.9       | 110                      | 48.00 |
| 16784 | TTQM1932 | 19                     | 32                           | 223     | 24 | 85                                       | 30    | 22 | 30 | 6  | 108.9       | 110                      | 48.00 |
| 16785 | TTQM2035 | 20                     | 35                           | 258     | 26 | 82                                       | 33    | 24 | 32 | 7  | 144         | 150                      | 50.00 |
| 16786 | TTQM2235 | 22                     | 35                           | 293     | 27 | 80                                       | 33    | 24 | 32 | 7  | 131.5       | 150                      | 50.00 |
| 16787 | TTQM2438 | 24                     | 38                           | 330     | 29 | 87                                       | 35    | 25 | 36 | 8  | 166.3       | 185                      | 52.00 |
| 16788 | TTQM2538 | 25                     | 38                           | 368     | 31 | 94                                       | 35    | 25 | 36 | 8  | 158.8       | 185                      | 52.00 |
| 16789 | TTQM2845 | 28                     | 45                           | 459     | 38 | 101                                      | 41    | 29 | 46 | 11 | 292.9       | 240                      | 60.00 |
| 16790 | TTQM3045 | 30                     | 45                           | 550     | 45 | 108                                      | 41    | 29 | 46 | 11 | 272.2       | 240                      | 60.00 |
| 16791 | TTQM3250 | 32                     | 50                           | 616     | 44 | 100                                      | 44    | 30 | 50 | 12 | 377.4       | 265                      | 73.00 |
| 16792 | TTQM3550 | 35                     | 50                           | 681     | 42 | 91                                       | 44    | 30 | 50 | 12 | 340.2       | 265                      | 73.00 |

Conditions of sale: Discount: 10 % per assortment of 10 pieces.  
15 % per assortment of 100 pieces.



## Gripping hub

### TRANTORQUE



The recommended minimal diameter of the exit arbor allowing the resistance to the exit torque of one unit of Trantorque M is indicated in the table below. These values are given for a constituent entirely covering the L2 dimension of the hub.

|          | Ø<br>axe | Calibre<br>compo-<br>nant | Pression<br>on shaft<br>N/mm <sup>2</sup> | Breakdown Torque N/mm <sup>2</sup> |     |     |     |     |     |     |     |     |     |     |     |
|----------|----------|---------------------------|---|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|          |          |                           |   | 125                                | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 |
| mini     | 5        | 16                        | 84  | 32                                 | 28  | 26  | 25  | 23  | 22  | 22  | 21  | 21  | 20  | 20  | 20  |
|          | 6        | 16                        | 93  | 35                                 | 30  | 28  | 26  | 24  | 23  | 23  | 22  | 21  | 21  | 21  | 20  |
|          | 7        | 20                        | 103                                       | 48                                 | 41  | 37  | 34  | 32  | 30  | 29  | 28  | 28  | 27  | 26  | 26  |
|          | 8        | 20                        | 113                                       | 53                                 | 44  | 39  | 36  | 33  | 32  | 30  | 29  | 28  | 28  | 27  | 27  |
|          | 9        | 20                        | 123                                       | 58                                 | 48  | 42  | 38  | 35  | 33  | 31  | 30  | 29  | 28  | 28  | 27  |
|          | 10       | 23                        | 119                                       | 65                                 | 53  | 47  | 42  | 39  | 37  | 36  | 34  | 33  | 32  | 32  | 31  |
|          | 11       | 23                        | 115                                       | 62                                 | 52  | 45  | 42  | 39  | 37  | 35  | 34  | 33  | 32  | 31  | 31  |
|          | 12       | 23                        | 111                                       | 60                                 | 50  | 44  | 41  | 38  | 36  | 35  | 33  | 32  | 32  | 31  | 30  |
|          | 14       | 26                        | 110                                       | 67                                 | 56  | 50  | 46  | 43  | 41  | 39  | 38  | 37  | 36  | 35  | 34  |
|          | 15       | 26                        | 108                                       | 66                                 | 55  | 49  | 45  | 42  | 40  | 39  | 37  | 36  | 36  | 35  | 34  |
| standard | 16       | 26                        | 107                                       | 65                                 | 55  | 49  | 45  | 42  | 40  | 39  | 37  | 36  | 35  | 35  | 34  |
|          | 17       | 32                        | 100                                       | 74                                 | 64  | 57  | 53  | 50  | 48  | 46  | 45  | 44  | 43  | 42  | 41  |
|          | 18       | 32                        | 92  | 69                                 | 60  | 55  | 51  | 49  | 46  | 45  | 44  | 43  | 42  | 41  | 40  |
|          | 19       | 32                        | 85  | 65                                 | 57  | 53  | 49  | 47  | 45  | 44  | 43  | 42  | 41  | 40  | 40  |
|          | 20       | 35                        | 82  | 69                                 | 62  | 57  | 53  | 51  | 49  | 47  | 46  | 45  | 44  | 44  | 43  |
|          | 22       | 35                        | 80  | 68                                 | 60  | 56  | 53  | 50  | 48  | 47  | 46  | 45  | 44  | 43  | 43  |
|          | 24       | 38                        | 87  | 79                                 | 69  | 63  | 59  | 56  | 54  | 52  | 51  | 50  | 49  | 48  | 47  |
|          | 25       | 38                        | 94  | 84                                 | 73  | 66  | 61  | 58  | 56  | 54  | 52  | 51  | 50  | 49  | 48  |
|          | 28       | 45                        | 101                                       | 106                                | 91  | 82  | 75  | 71  | 68  | 65  | 63  | 62  | 60  | 59  | 58  |
|          | 30       | 45                        | 108                                       | 114                                | 96  | 85  | 78  | 74  | 70  | 67  | 65  | 63  | 61  | 60  | 59  |
| 32       | 50       | 100                       | 116                                       | 100                                | 90  | 83  | 78  | 75  | 72  | 70  | 68  | 67  | 65  | 64  |     |
| 35       | 50       | 91                        | 107                                       | 94                                 | 85  | 79  | 75  | 72  | 70  | 68  | 66  | 65  | 64  | 63  |     |



## 4. BELTS

### Articulated Belt

#### POWERTWIST WITH REMOVABLE LINKS



#### Link belts:

These trapezoidal belts are made of removable superior POLYURETHANE links. They are easy to assemble on transmissions with fixed distance of centres.

Tension and wearing are avoided by simply eliminating one or more links.

Tension can adjusted of 4% for the 10, 13 and 17 mm lengths and of 5% for 22 mm.

The original packaging is 10 m but it can also be sent with other length.

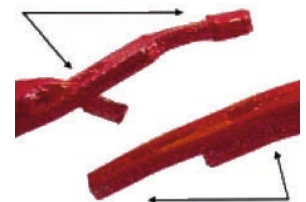
| Ref.  | Ø <sub>belt</sub>  | Group | PRICE / M |
|-------|--|-------|-----------|
| 01731 | 10   | Z     | 49.50     |
| 01732 | 13   | A     | 52.00     |
| 01733 | 17   | B     | 57.00     |
| 01734 | 22   | C     | 78.00     |
| 01754 | Ø 8mm For Machine T4 T4 M4<br>Replaces black veelos 00 : 8 m |       | 48.00     |

#### Measuring method:

Install the belt on the pulleys and control the length by stacking the two tongues on the two holes.

Cut the number of links and take off one every 24 for the sections O/3L, A/4L and B/5L or one every 20 for the sections C and D.

Note: Every 10th link is indicated with an arrow. For the drives with multiple belts, the belts must have the same link number.



#### Uninstalling:



#### Installing:



Conditions of sale: Discount : 5 % from 40 m of identical item.  
10 % from 60 m of identical item.  
15 % from 80 m of identical item.  
20 % from 100 m of identical item.



For the assembling, the Plier DIXLINK (Ref. 01735, Fr. 17.00) are advised. The tension can be adjusted how it follows:

- The belt is put together on the drive and is then dismantled.
- Its length is reduced of 8% (1 link every 12) for the widths from 10 to 17 mm and of 5% for the widths from 22 mm.
- The shortened belt is then reassembled in order to obtain the optimal tension.

The original packaging is 20 m but it can also be sent with other length.

| Ref.  | Width | Group | PRICE / M |
|-------|-------|-------|-----------|
| 01744 | 15    | ---   | 43.00     |
| 01746 | 22    | C     | 75.70     |

The combination of high strength and low elongation under load simply cannot be beaten. Because they're made of a custom-designed, high-tech polyurethane/polyester composite, PowerTwist Plus V-belts won't fail you when others may. The result? Less downtime. Higher productivity. Reduced maintenance costs.

PowerTwist Plus V-Belts have the same cross section dimensions as conventional endless V-belts and can be installed on existing pulleys with no changes in set-up.

Single or matched V-belt sets can be made with a flick of the wrist! PowerTwist Plus V-Belts can be made up to required length by hand in seconds and rolled onto the drive just like a bicycle chain. Their custom multi-ply composite construction prevents roll-on damage. If conventional rubber V-belts are installed this way, almost certainly some of the load-bearing tension cords will be broken, leading to significantly reduced belt life.

If your V-belt drives are operating in hostile, nasty environments, you've got to take advantage of the high performance properties of polyurethanes. That's why we use a high performance polyurethane elastomer reinforced with multiple plies of polyester fabric for PowerTwist Plus. This custom material provides PowerTwist Plus with significantly superior resistance to oils, grease, water, most common industrial/agricultural chemicals and solvents. Plus an operating temperature range, with no loss of performance, of -40° F to +240° F.

Conventional SBR/chloroprene brand V-belts simply can't compete. Reduce transmitted vibration.

### Trapezoidal articulated Belt

#### VEELOS SUPER POLYESTER

The VEELOS Super Polyester trapezoidal articulated belt, long-lasting and robust, for the driving force transmission under extreme solicitation conditions. It is made up of a cloth soaked in neoprene, having the resistance to flexion and traction needed for an excellent output in service. This belt has an exceptional solidity to every trial and it transmits up to 50% more force with a lengthening up to 30 % inferior to the ordinary articulated trapezoidal belts.

It is manufactured with an exclusive rotary polymerization process that thoroughly soaks the polyester cloth. Its entirely synthetic construction permits to the VEELOS Super Polyester belt resisting to the attack of many different industrial oils, greases and lubricants. Its resistance to ozone and oxygen is excellent. Even after a long exposition to high humidity or an immersion into water, the polyester cloth does not deteriorate or go mouldy and its resistance to traction remains very high.

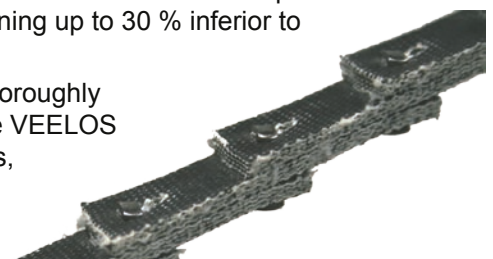
Like all the VEELOS trapezoidal articulated belts, the super polyester model is made of even links that do not generate nor transmit any vibration.

| Ref.  | Width | Length | Group | PRICE / M |
|-------|-------|--------|-------|-----------|
| 01756 | 10    | 10 m   | 0     | 62.00     |
| 01757 | 13    |        | A     | 63.00     |

**Conditions of sale: Discount :** 5 % from 40 m of identical item.  
10 % from 60 m of identical item.  
15 % from 80 m of identical item.  
20 % from 100 m of identical item.

### Trapezoidal articulated Belt

#### V-LINK MAXI RED





## Articulated belt NU-T-Link / Super-t-Link

NuTlink (V section) belts and SuperTLink (SP section) belts offer the V or SP performance with a longer life-lasting. These trapezoidal belts with removable links made of polyester/polyuretane, are up to 20 times more resistant, even in the more demanding conditions.

- Excellent high resistance to high temperatures (-40 to 100°C)
- Excellent high resistance to abrasive substances.
- High resistance to water, steam, oil, and to most of the industrial chemicals.

The removable elements conception makes the installation easier and more rapid, even on the less easily accessible mechanisms. The belts can be installed by simply assembling the links without the dismantling of the mechanism.

The removable links system permits the reduction of stocks, as the belts can be adjusted in situ to the desired length, by adding or removing links.

The servicing is unnecessary because the initially adjusted tension does not change.

The links belt conception permits the reduction of 50% of the vibrations and the functioning noise.

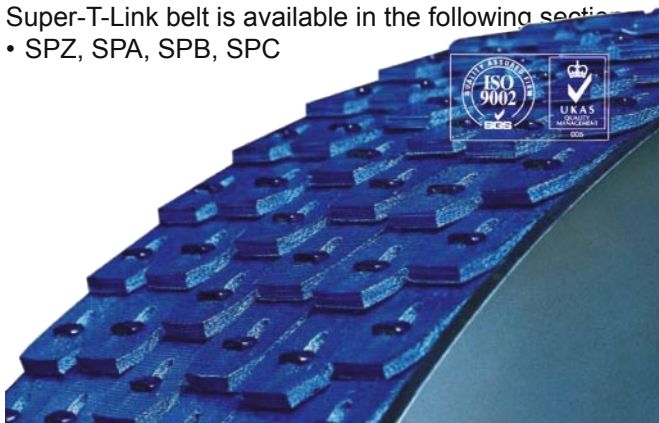
The original packaging is 20 m but it can also be sent with other length.

Nu-T-Link belt is available in every standard section of the sector:

- Z/10, A/13, B/17, C/22, S/25, D/32, E/40, F/50

Super-T-Link belt is available in the following sections:

- SPZ, SPA, SPB, SPC



### SUPER-T-LINK

| Ref.  | Ø <sub>belt</sub> | Group | PRICE  |
|-------|-------------------|-------|--------|
| 02190 | 10                | SP Z  | 153.00 |
| 02191 | 13                | SPA   | 153.00 |

Tension is adjusted how it follows with the included tool:

- The belt is put together on the carrying and then dismantled.
- Its length is reduced of 9% (1 link every 11) for the lengths from 10 to 17 mm and of 5% for the lengths from 22 mm.
- The shortened belt is then reassembled in order to obtain an optimal tension.

Prices are meant for a length of 20 m.

### NU-T-LINK



| Ref.  | Ø <sub>belt</sub> | Group | PRICE  |
|-------|-------------------|-------|--------|
| 01736 | 10                | Z     | 64.00  |
| 01737 | 13                | A     | 73.00  |
| 01738 | 17                | B     | 76.00  |
| 01739 | 22                | C     | 94.00  |
| 01740 | 25                |       | 138.00 |
| 01741 | 32                | D     | 214.00 |

Conditions of sale: Discount : 5 % from 40 m of identical item.  
 10 % from 60 m of identical item.  
 15 % from 80 m of identical item.  
 20 % from 100 m of identical item.



## Round Belt

### QUICK-GO POLYURETANE

QUICK-GO belts differ from usual round belts by the patented system that permits to produce endless belt by means of a metallic joint that can be placed in a few seconds and that does not need any special device. The use of the cutting Plier QUICK-GO is recommended for the assembling (Ref. 01770, Fr. 24.00).

The original packaging is 30 m but it can also be sent with other length.



| Belts |                   |                     |       |
|-------|-------------------|---------------------|-------|
| Ref.  | Ø <sub>belt</sub> | Ø <sub>pulley</sub> | PRICE |
| 01771 | 5                 | 40                  | 6.90  |
| 01772 | 6                 | 50                  | 8.15  |
| 01773 | 8                 | 65                  | 11.05 |
| 01774 | 10                | 80                  | 13.50 |

| Joints |                   |                     |       |
|--------|-------------------|---------------------|-------|
| Ref.   | Ø <sub>belt</sub> | Ø <sub>pulley</sub> | PRICE |
| 01776  | 5                 | 40                  | 1.85  |
| 01777  | 6                 | 50                  | 0.90  |
| 01778  | 8                 | 65                  | 0.90  |
| 01779  | 10                | 80                  | 0.90  |
| 01780  | 13                | 100                 | 0.90  |

### Maximal transferable power (HP) according to the belt diameter

| Speed (m/s) | Pulley 40 mm | Pulley 50 mm | Pulley 65 mm | Pulley 80 mm | Pulley 100 mm |
|-------------|--------------|--------------|--------------|--------------|---------------|
| 0.5         | 0.02         | 0.03         | 0.04         | 0.05         | 0.08          |
| 2.5         | 0.07         | 0.14         | 0.23         | 0.27         | 0.40          |
| 5.0         | 0.15         | 0.30         | 0.45         | 0.54         | 0.80          |
| 7.5         | 0.23         | 0.45         | 0.69         | 0.81         | 1.20          |
| 10.0        | 0.30         | 0.60         | 0.90         | 1.08         | 1.60          |
| 12.5        | 0.38         | 0.75         | 1.14         | 1.35         | 2.20          |
| 15.0        | 0.45         | 0.90         | 1.35         | 1.62         | 3.10          |

Conditions of sale: Discount: 10 % from 30 m of identical item.  
10 % from 25 identical joints.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## Elastic round endless string Belt

ASCO-CORDEX

red

Use examples:

Textile machines, tool machines Schaublin 102, Ewag, Technica, etc. These belts are specially recommended for use on the high-speed or hard pull machines.

Must be indicated: the string length equivalent to the working tightened length. In any case it is a matter of the length of a string embracing the pulleys. Because of their elasticity, the belts are delivered in free length that is inferior from 10 to 12 % to the working length.

| Length      | Ø = 3 |       | Ø = 4 |       | Ø = 5 |       |
|-------------|-------|-------|-------|-------|-------|-------|
|             | Ref.  | PRICE | Ref.  | PRICE | Ref.  | PRICE |
| 250 - 499   | 01855 | 10.70 | 01878 | 11.25 | 01912 | 12.00 |
| 500 - 799   | 01856 | 11.00 | 01879 | 11.45 | 01913 | 12.35 |
| 800 - 999   | 01857 | 9.80  | 01880 | 10.25 | 01914 | 10.45 |
| 1000 - 1099 | 01858 | 8.40  | 01881 | 8.60  | 01915 | 11.00 |
| 1100 - 1199 | 01859 | 9.15  | 01882 | 9.50  | 01916 | 12.00 |
| 1200 - 1299 | 01860 | 9.90  | 01883 | 11.15 | 01917 | 13.00 |
| 1300 - 1399 | 01861 | 10.70 | 01884 | 12.00 | 01918 | 13.90 |
| 1400 - 1499 | 01862 | 11.45 | 01885 | 12.80 | 01919 | 15.00 |
| 1500 - 1599 | 01863 | 12.25 | 01886 | 13.65 | 01920 | 15.95 |
| 1600 - 1699 | 01864 | 13.00 | 01887 | 14.55 | 01921 | 16.95 |
| 1700 - 1799 | 01865 | 13.65 | 01888 | 15.30 | 01922 | 17.95 |
| 1800 - 1899 | 01866 | 14.45 | 01889 | 16.20 | 01923 | 18.95 |
| 1900 - 1999 | 01867 | 16.20 | 01890 | 17.05 | 01924 | 19.95 |
| 2000 - 2099 | 01868 | 15.95 | 01891 | 17.85 | 01925 | 20.80 |
| 2100 - 2199 | 01869 | 16.85 | 01892 | 18.70 | 01926 | 21.90 |
| 2200 - 2299 | 01870 | 17.40 | 01893 | 19.60 | 01927 | 22.90 |
| 2300 - 2399 | 01871 | 18.30 | 01894 | 20.35 | 01928 | 23.90 |
| 2400 - 2499 | 01872 | 19.05 | 01895 | 21.25 | 01929 | 24.90 |
| 2500 - 2599 | 01873 | 19.70 | 01896 | 22.00 | 01930 | 25.85 |
| 2600 - 2699 | 01874 | 20.50 | 01897 | 23.00 | 01931 | 26.85 |
| 2700 - 2799 | 01875 | 21.35 | 01898 | 23.90 | 01932 | 27.75 |
| 2800 - 2899 | 01876 | 22.00 | 01899 | 24.65 | 01933 | 28.85 |
| 2900 - 2999 | 01877 | 22.80 | 01900 | 25.45 | 01934 | 29.85 |
| 3000 - 3099 |       |       | 01901 | 26.40 | 01935 | 30.80 |
| 3100 - 3199 |       |       | 01902 | 27.20 | 01936 | 31.80 |
| 3200 - 3299 |       |       | 01903 | 28.05 | 01937 | 32.80 |
| 3300 - 3399 |       |       | 01904 | 28.95 | 01938 | 33.80 |
| 3400 - 3499 |       |       | 01905 | 29.70 | 01939 | 34.65 |
| 3500 - 3599 |       |       | 01906 | 30.70 | 01940 | 35.75 |
| 3600 - 3699 |       |       | 01907 | 31.50 | 01941 | 36.75 |
| 3700 - 3799 |       |       | 01908 | 32.25 | 01942 | 37.75 |
| 3800 - 3899 |       |       | 01909 | 33.25 | 01943 | 38.75 |
| 3900 - 3999 |       |       | 01910 | 34.00 | 01944 | 39.75 |
| 4000 - 4099 |       |       | 01911 | 34.90 | 01945 | 40.70 |
| 4100 - 4499 |       |       |       |       | 01946 | 44.70 |

Prices on request





## Elastic round endless string Belt

### ASCO-CORDEX



**Must be indicated:** the string length equivalent to the working tightened length. In any case it is a matter of the length of a string embracing the pulleys. Because of their elasticity, the belts are delivered in free length that is inferior from 10 to 12 % to the working length

| Length      | Ø = 6 |       | Ø = 8 |                   | Ø = 10 |        |
|-------------|-------|-------|-------|-------------------|--------|--------|
|             | Ref.  | PRICE | Ref.  | PRICE             | Ref.   | PRICE  |
| 250 - 499   | 01947 | 13.00 | 01981 | 24.35             |        |        |
| 500 - 799   | 01948 | 18.00 | 01982 | 24.65             |        |        |
| 800 - 999   | 01949 | 14.20 | 01983 | 24.90             | 02014  | 39.05  |
| 1000 - 1099 | 01950 | 15.65 | 01984 | 27.40             | 02015  | 42.80  |
| 1100 - 1199 | 01951 | 24.55 | 01985 | 29.85             | 02016  | 46.90  |
| 1200 - 1299 | 01952 | 18.50 | 01986 | 32.35             | 02017  | 50.75  |
| 1300 - 1399 | 01953 | 19.95 | 01987 | 34.90             | 02018  | 54.70  |
| 1400 - 1499 | 01954 | 21.35 | 01988 | 37.40             | 02019  | 58.65  |
| 1500 - 1599 | 01955 | 22.70 | 01989 | 39.85             | 02020  | 62.40  |
| 1600 - 1699 | 01956 | 24.10 | 01990 | 42.35             | 02021  | 66.35  |
| 1700 - 1799 | 01957 | 25.45 | 01991 | 44.90             | 02022  | 70.30  |
| 1800 - 1899 | 01958 | 26.95 | 01992 | 47.30             | 02023  | 73.95  |
| 1900 - 1999 | 01959 | 28.40 | 01993 | 49.75             | 02024  | 78.00  |
| 2000 - 2099 | 01960 | 29.70 | 01994 | 52.05             | 02025  | 81.95  |
| 2100 - 2199 | 01961 | 31.25 | 01995 | 54.80             | 02026  | 85.95  |
| 2200 - 2299 | 01962 | 32.70 | 01996 | 57.20             | 02027  | 89.80  |
| 2300 - 2399 | 01963 | 34.00 | 01997 | 59.75             | 02028  | 93.65  |
| 2400 - 2499 | 01964 | 35.45 | 01998 | 62.30             | 02029  | 97.60  |
| 2500 - 2599 | 01965 | 36.85 | 01999 | 64.70             | 02030  | 101.45 |
| 2600 - 2699 | 01966 | 38.20 | 02000 | 67.00             | 02031  | 105.20 |
| 2700 - 2799 | 01967 | 39.75 | 02001 | 69.75             | 02032  | 109.25 |
| 2800 - 2899 | 01968 | 41.15 | 02002 | 72.30             | 02033  | 113.10 |
| 2900 - 2999 | 01969 | 42.60 | 02003 | 74.70             | 02034  | 117.05 |
| 3000 - 3099 | 01970 | 43.90 | 02004 | 77.25             | 02035  | 121.00 |
| 3100 - 3199 | 01971 | 45.35 | 02005 | 79.75             | 02036  | 124.75 |
| 3200 - 3299 | 01972 | 46.75 | 02006 | 82.10             | 02037  | 128.30 |
| 3300 - 3399 | 01973 | 48.20 | 02007 | 84.70             | 02038  | 132.90 |
| 3400 - 3499 | 01974 | 49.65 | 02008 | 87.15             | 02039  | 136.30 |
| 3500 - 3599 | 01975 | 50.85 | 02009 | 90.10             | 02040  | 139.85 |
| 3600 - 3699 | 01976 | 52.50 | 02010 | 92.10             | 02041  | 144.45 |
| 3700 - 3799 | 01977 | 53.90 | 02011 | 94.60             | 02042  | 147.85 |
| 3800 - 3899 | 01978 | 55.25 | 02012 | 97.05             | 02043  | 152.50 |
| 3900 - 3999 | 01979 | 56.65 | 02013 | 99.35             | 02044  | 156.00 |
| 4000 - 4099 |       |       |       | prices on request |        |        |
| 4100 - 4499 | 01980 | 63.60 |       |                   |        |        |

**Conditions of sale:** Discount: 10 % from 25 identical pieces or more.  
15 % from 50 identical pieces or more.  
20 % from 100 identical pieces or more.  
25 % from 200 identical pieces or more.  
30 % from 300 identical pieces or more.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Rigid round endless string Belt

ASCO-STAR

*yellow*



Use examples:

Textile machines, tool-machines Schaublin 102, Ewag, Posalux, Technica, etc. These belts are very resistant to use and are specially recommended on the high-speed machines.

**Must be indicated:** the string length equivalent to the working tightened length

| Length      | Ø = 3 |                          | Ø = 4 |       | Ø = 5 |       |
|-------------|-------|--------------------------|-------|-------|-------|-------|
|             | Ref.  | PRICE                    | Ref.  | PRICE | Ref.  | PRICE |
| 1000 - 1099 | 02050 |                          | 02074 |       | 02098 | 13.45 |
| 1100 - 1199 | 02051 |                          | 02075 |       | 02099 |       |
| 1200 - 1299 | 02052 |                          | 02076 |       | 02100 |       |
| 1300 - 1399 | 02053 |                          | 02077 |       | 02101 |       |
| 1400 - 1499 | 02054 |                          | 02078 |       | 02102 | 15.85 |
| 1500 - 1599 | 02055 |                          | 02079 |       | 02103 |       |
| 1600 - 1699 | 02056 |                          | 02080 | 15.10 | 02104 |       |
| 1700 - 1799 | 02057 |                          | 02081 | 43.40 | 02105 |       |
| 1800 - 1899 | 02058 |                          | 02082 |       | 02106 | 34.00 |
| 1900 - 1999 | 02059 |                          | 02083 |       | 02107 |       |
| 2000 - 2099 | 02060 |                          | 02084 |       | 02108 |       |
| 2100 - 2199 | 02061 | <i>Prices on request</i> | 02085 |       | 02109 |       |
| 2200 - 2299 | 02062 |                          | 02086 |       | 02110 |       |
| 2300 - 2399 | 02063 |                          | 02087 |       | 02111 |       |
| 2400 - 2499 | 02064 |                          | 02088 |       | 02112 |       |
| 2500 - 2599 | 02065 |                          | 02089 |       | 02113 |       |
| 2600 - 2699 | 02066 |                          | 02090 |       | 02114 |       |
| 2700 - 2799 | 02067 |                          | 02091 |       | 02115 |       |
| 2800 - 2899 | 02068 |                          | 02092 |       | 02116 |       |
| 2900 - 2999 | 02069 |                          | 02093 |       | 02117 |       |
| 3000 - 3199 | 02070 |                          |       | 02094 | 26.00 | 02118 |
| 3200 - 3499 | 02071 |                          | 02095 | 20.45 | 02119 | 35.00 |
| 3500 - 3999 | 02072 |                          | 02096 |       | 02120 | 33.00 |
| 4000 - 4499 | 02073 |                          | 02097 | 24.55 | 02121 | 35.40 |

Conditions of sale : Discount:

10 % from 25 identical pieces or more.

15 % from 50 identical pieces or more.

20 % from 100 identical pieces or more.



## Rigid round endless string Belt

ASCO-STAR

yellow



Use examples:

Textile machines, tool-machines Schaublin 102, Ewag, Posalux, Technica, etc. These belts are very resistant to use and are specially recommended on the high-speed machines.

**Must be indicated:** the string length equivalent to the working tightened length.

| Length      | Ø = 6 |                          | Ø = 7 |       | Ø = 8 |       |  |
|-------------|-------|--------------------------|-------|-------|-------|-------|--|
|             | Ref.  | PRICE                    | Ref.  | PRICE | Ref.  | PRICE |  |
| 1000 - 1099 | 02122 | 15.65                    | 02146 |       | 02167 |       |  |
| 1100 - 1199 | 02123 | <i>Prices on request</i> | 02147 |       | 02168 |       |  |
| 1200 - 1299 | 02124 |                          | 02148 |       | 02169 |       |  |
| 1300 - 1399 | 02125 |                          | 02149 |       | 02170 |       |  |
| 1400 - 1499 | 02126 |                          | 02150 |       | 02171 |       |  |
| 1500 - 1599 | 02127 |                          | 02151 |       | 02172 |       |  |
| 1600 - 1699 | 02128 | <i>Prices on request</i> | 02152 |       | 02173 |       |  |
| 1700 - 1799 | 02129 |                          | 02153 |       | 02174 |       |  |
| 1800 - 1899 | 02130 |                          | 41.00 | 02154 |       | 02175 |  |
| 1900 - 1999 | 02131 |                          |       | 02155 |       | 02176 |  |
| 2000 - 2099 | 02132 |                          |       | 02156 |       | 02177 |  |
| 2100 - 2199 | 02133 | 14.90                    | 02157 |       | 02178 |       |  |
| 2200 - 2299 | 02134 | 15.70                    | 02158 |       | 02179 |       |  |
| 2300 - 2399 | 02135 | <i>Prices on request</i> | 02159 |       | 02180 |       |  |
| 2400 - 2499 | 02136 |                          | 02160 |       | 02181 |       |  |
| 2500 - 2599 | 02137 |                          | 02161 |       | 02182 |       |  |
| 2600 - 2699 | 02138 |                          | 02162 |       | 02183 |       |  |
| 2700 - 2799 | 02139 |                          | 02163 |       | 02184 |       |  |
| 2800 - 2899 | 02140 | <i>Prices on request</i> | 02164 |       | 02185 |       |  |
| 2900 - 2999 | 02141 |                          | 02165 |       | 02186 |       |  |
| 3000 - 3199 | 02142 |                          |       | 02166 |       | 02187 |  |
| 3200 - 3499 | 02143 |                          |       |       |       |       |  |
| 3500 - 3999 | 02144 |                          |       |       |       |       |  |
| 4000 - 4499 | 02145 |                          |       |       |       |       |  |

Conditions of sale : Discount:

10 % from 25 identical pieces or more.  
15 % from 50 identical pieces or more.  
20 % from 100 identical pieces or more.





## TYPE XP V-BELTS

| SECTION XPZ / 3VX      |                            |                       |                            | SECTION XPA            |                            | SECTION XPB / 5VX      |                            | Section XPC            |       |
|------------------------|----------------------------|-----------------------|----------------------------|------------------------|----------------------------|------------------------|----------------------------|------------------------|-------|
| Ref.                   |                            | 00000                 |                            | Ref.                   | 00000                      | Ref.                   | 00000                      | Ref.                   | 00000 |
| Reference length (mm)  | Design. of the belt (Inch) | Reference length (mm) | Design. of the belt (Inch) | Reference length (mm)  | Design. of the belt (Inch) | Reference length (mm)  | Design. of the belt (Inch) | Reference length (mm)  |       |
| UC QM = 25 pièces cad. | UC QM = 10 pièces cad.     |                       |                            | UC QM = 25 pièces cad. |                            | UC QM = 10 pièces cad. |                            | UC QM = 10 pièces cad. |       |
| 587                    |                            | 1262                  | 3VX 500                    | 707                    | 1700                       | 1250                   |                            | 2000                   |       |
| 612                    |                            | 1287                  |                            | 732                    | 1750                       | 1320                   |                            | 2120                   |       |
| 630                    | 3VX 355                    | 1312                  |                            | 757                    | 1757                       | 1400                   |                            | 2240                   |       |
| 637                    |                            | 1320                  |                            | 782                    | 1800                       | 1500                   | 5VX 750                    | UC QM = 5 pièces cad.  |       |
| 662                    |                            | 1337                  | 3VX 530                    | 800                    | 1882                       | 1600                   |                            |                        |       |
| 670                    | 3VX 265                    | 1362                  |                            | 807                    | 1900                       | 1700                   | 5VX 800                    | 2360                   |       |
| 687                    |                            | 1387                  |                            | 832                    | 2000                       | 1800                   |                            | 2500                   |       |
| 710                    | 3VX 280                    | 1400                  |                            | 850                    | 2120                       | 1850                   | 5VX 850                    | 2650                   |       |
| 730                    |                            | 1412                  | 3VX 560                    | 857                    | 2240                       | 1900                   |                            | 2800                   |       |
| 737                    |                            | 1437                  |                            | 882                    |                            | 2000                   | 5VX 900                    | 3000                   |       |
| 750                    |                            | 1462                  |                            | 900                    | UC QM = 10 pièces cad.     | 2020                   |                            | 3150                   |       |
| 762                    | 3VX 300                    | 1487                  |                            | 907                    |                            | 2120                   | 5VX 950                    | 3350                   |       |
| 772                    |                            | 1500                  |                            | 932                    | 2360                       | 2150                   |                            | 3550                   |       |
| 787                    |                            | 1512                  |                            | 950                    | 2500                       | 2240                   |                            |                        |       |
| 800                    | 3VX 315                    | 1537                  |                            | 957                    | 2650                       | 2280                   | 5VX 1060                   |                        |       |
| 812                    |                            | 1562                  |                            | 982                    | 2800                       | 2360                   |                            |                        |       |
| 825                    |                            | 1587                  |                            | 1000                   | 3000                       | 2400                   | 5VX 1120                   |                        |       |
| 837                    |                            | 1600                  | 3VX 630                    | 1007                   | 3150                       | 2500                   |                            |                        |       |
| 850                    | 3VX 335                    | 1612                  |                            | 1030                   | 3350                       | 2650                   |                            |                        |       |
| 862                    |                            | 1662                  |                            | 1060                   | 3550                       | 2680                   | 5VX 1320                   |                        |       |
| 875                    |                            | 1700                  | 3VX 670                    | 1082                   |                            | 2800                   | 5VX 1400                   |                        |       |
| 887                    |                            | 1750                  |                            | 1107                   |                            | 2840                   |                            |                        |       |
| 900                    | 3VX 355                    | 1762                  |                            | 1120                   |                            | 3000                   |                            |                        |       |
| 912                    |                            | 1800                  | 3VX 710                    | 1132                   |                            | 3150                   |                            |                        |       |
| 925                    |                            | 1850                  |                            | 1157                   |                            | 3350                   |                            |                        |       |
| 937                    |                            | 1900                  | 3VX 750                    | 1180                   |                            | 3350                   |                            |                        |       |
| 950                    | 3VX 375                    | 1950                  |                            | 1207                   |                            |                        |                            |                        |       |
| 962                    |                            | 2000                  |                            | 1232                   |                            |                        |                            |                        |       |
| 987                    |                            | 2120                  |                            | 1250                   |                            |                        |                            |                        |       |
| 1000                   |                            | 2150                  | 3VX 850                    | 1257                   |                            |                        |                            |                        |       |
| 1012                   | 3VX 400                    | 2240                  |                            | 1272                   |                            |                        |                            |                        |       |
| 1037                   |                            |                       |                            | 1282                   |                            |                        |                            |                        |       |
| 1060                   |                            |                       |                            | 1307                   |                            |                        |                            |                        |       |
| 1077                   | 3VX 425                    |                       |                            | 1320                   |                            |                        |                            |                        |       |
| 1087                   |                            | 2360                  |                            | 1332                   |                            |                        |                            |                        |       |
| 1112                   |                            | 2500                  |                            | 1357                   |                            |                        |                            |                        |       |
| 1120                   |                            | 2540                  | 3VX 1000                   | 1382                   |                            |                        |                            |                        |       |
| 1137                   | 3VX 450                    | 2650                  |                            | 1400                   |                            |                        |                            |                        |       |
| 1162                   |                            | 2690                  | 3VX 1060                   | 1432                   |                            |                        |                            |                        |       |
| 1180                   |                            | 2800                  |                            | 1450                   |                            |                        |                            |                        |       |
| 1187                   |                            | 2840                  | 3VX 1120                   | 1457                   |                            |                        |                            |                        |       |
| 1202                   | 3VX 475                    | 3000                  | 3VX 1180                   | 1482                   |                            |                        |                            |                        |       |
| 1212                   |                            | 3150                  |                            | 1500                   |                            |                        |                            |                        |       |
| 1237                   |                            | 3350                  | 3VX 1320                   | 1507                   |                            |                        |                            |                        |       |
| 1250                   |                            | 3550                  | 3VX 1400                   | 1532                   |                            |                        |                            |                        |       |
|                        |                            |                       |                            | 1557                   |                            |                        |                            |                        |       |
|                        |                            |                       |                            | 1582                   |                            |                        |                            |                        |       |
|                        |                            |                       |                            | 1600                   |                            |                        |                            |                        |       |
|                        |                            |                       |                            | 1607                   |                            |                        |                            |                        |       |
|                        |                            |                       |                            | 1632                   |                            |                        |                            |                        |       |

## VB TYPE V-BELTS

| CLASSIC VB / Z |                       | CLASSIC VB / A |                       | CLASSIC VB / B |                       | CLASSIC VB / C |                       |
|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|
| Ref.           | Reference length (mm) | Ref.           | Reference length (mm) | Ref.           | Reference length (mm) | Ref.           | Reference length (mm) |
| 00000          | 312-2500              | 00000          | 437-5000              | 00000          | 610-7100              | 00000          | 1148-8000             |

Conditions of sale: price and delivery times on request



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## Round Belt

### POLYCORD

POLYURETHANE, GREEN

Thanks to a high flexibility, these round Polycord belts allow unlimited direction changes. Thanks to their high elasticity, the round Polycord belts operate as security elements by reducing the backlash and the overloads and by increasing their lasting.

Expensive intermediary elements can be then suppressed. Physical and chemical characteristics are exceptional in many fields: resistance to hydrolysis, for example, is slightly higher than in most of the known elastomers-polyurethanes. Moreover, the non antistatic round Polycord belts are water-, oil-, grease-, and benzene-proof. Round Polycord belts assure, thanks to their tight tolerance of diameters, many regular turns.

The original packaging is 30 m but it can also be sent with other length.

#### Use:

Mechanical construction of machines and devices, precision mechanics and horology, reaming machines, oil pumps, pantographs, accessories for automatic lathes, textile industry, etc.

| Ref.  | Ø <sub>belt</sub> | PRICE |
|-------|-------------------|-------|
| 01810 | 2                 | 2.25  |
| 01811 | 3                 | 3.35  |
| 01812 | 4                 | 4.40  |
| 01813 | 5                 | 6.35  |
| 01814 | 6                 | 9.40  |

| Ref.  | Ø <sub>belt</sub> | PRICE |
|-------|-------------------|-------|
| 01815 | 7                 | 9.60  |
| 01816 | 8                 | 12.00 |
| 01817 | 10                | 19.00 |
| 01818 | 12                | 20.45 |
| 01819 | 15                | 29.50 |

Conditions of sale: Discount: 10 % from 120 m of identical item.  
Discount: 5 % from 60 m of identical item.

## Hooking spray

### BARDAHL



WEICON Transmission Belt Spray is a transparent coating based on synthetic elastomers for highly stressed transmission belts of all kinds.

It increases the life of belts, prolongs the life of machines and installations, prevents belt slippage, transmits full drive power, eliminates and prevents squeaking, etc.

WEICON Transmission Belt Spray is suitable for all types of belts and tapes in common materials, eg. ex. in fabric, leather, rubber or PVC.

| Ref.  | Designation | Quantity | Price |
|-------|-------------|----------|-------|
| 00799 | WEICON      | 400 ml   | 23.00 |

Conditions of sale: Discount : 10% from 10 pieces



## Round Belt

### CLEAR-GO SUPREME

*round, polyuretane*

Round belt with rough surface.

This belt can be soldered with the help of a soldering machine in order to obtain an endless belt.

The original packaging is 30 m but it can also be sent with other length.



| Ref.  | Ø <sub>belt</sub> | Price |
|-------|-------------------|-------|
| 01760 | 2                 | 2.20  |
| 01761 | 3                 | 2.95  |
| 01762 | 4                 | 3.00  |
| 01763 | 5                 | 4.40  |
| 01764 | 6                 | 6.85  |
| 01765 | 7                 | 6.85  |
| 01766 | 8                 | 8.45  |
| 01767 | 10                | 11.35 |
| 01768 | 12                | 14.10 |

Conditions of sale: Discount: 10 % from 120 m of identical item.  
5 % from 60 m of identical item.

## Flat Belt

### ASCO-VIS

*Synthetic, extra flexible*

The original packaging is 30 m but it can also be sent with other length.



| Ref.  | Designation           | Quantity | Price |
|-------|-----------------------|----------|-------|
| 01809 | Flacon de colle FIXOL | 40 g     | 19.00 |

| Width | Deliverable from stock except sale<br>C 10 SX, Thickness 1,4 |       | 3 weeks delay<br>D 20 SX, Thickness 2,2 |       |
|-------|--|-------|---|-------|
|       | Ref.   | Price | Ref.                                    | Price |
| 5     | 01785  | 5.60  | 01797                                   | 7.40  |
| 7     | 01786  | 5.85  | 01798                                   | 7.70  |
| 10    | 01787  | 7.00  | 01799                                   | 7.90  |
| 15    | 01788  | 8.80  | 01800                                   | 10.55 |
| 20    | 01789  | 12.80 | 01801                                   | 14.15 |
| 25    | 01790  | 14.00 | 01802                                   | 17.60 |
| 30    | 01791  | 16.35 | 01803                                   | 21.20 |
| 35    | 01792  | 19.50 | 01804                                   | 24.80 |
| 40    | 01793  | 25.65 | 01805                                   | 28.00 |
| 45    | 01794  | 26.40 | 01806                                   | 31.35 |
| 50    | 01795  | 28.00 | 01807                                   | 35.20 |
| 60    | 01796  | 33.00 | 01808                                   | 41.80 |



**Schurch Asco SA**



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

**Flat endless Belt**

**POWERBAND**

*High capacity, synthetic, blue*

*Thickness 2 mm*

Conditions of sale: Net prices



| Length      | Width = 5    |       | Width = 10   |       | Width = 15   |       |
|-------------|--------------|-------|--------------|-------|--------------|-------|
|             | Ref.         | PRICE | Ref.         | PRICE | Ref.         | PRICE |
| 800 - 899   | <b>08903</b> | 21.15 | <b>08928</b> | 27.65 | <b>08953</b> | 32.70 |
| 900 - 999   | <b>08904</b> | 21.70 | <b>08929</b> | 28.65 | <b>08954</b> | 34.35 |
| 1000 - 1099 | <b>08905</b> | 23.25 | <b>08930</b> | 30.15 | <b>08955</b> | 36.25 |
| 1100 - 1199 | <b>08906</b> | 24.20 | <b>08931</b> | 31.90 | <b>08956</b> | 38.30 |
| 1200 - 1299 | <b>08907</b> | 25.30 | <b>08932</b> | 33.65 | <b>08957</b> | 40.00 |
| 1300 - 1399 | <b>08908</b> | 27.10 | <b>08933</b> | 34.75 | <b>08958</b> | 41.75 |
| 1400 - 1499 | <b>08909</b> | 27.85 | <b>08934</b> | 36.25 | <b>08959</b> | 43.60 |
| 1500 - 1599 | <b>08910</b> | 29.15 | <b>08935</b> | 38.30 | <b>08960</b> | 45.35 |
| 1600 - 1699 | <b>08911</b> | 29.95 | <b>08936</b> | 39.90 | <b>08961</b> | 47.15 |
| 1700 - 1799 | <b>08912</b> | 31.30 | <b>08937</b> | 41.25 | <b>08962</b> | 48.70 |
| 1800 - 1899 | <b>08913</b> | 33.20 | <b>08938</b> | 42.35 | <b>08963</b> | 50.40 |
| 1900 - 1999 | <b>08914</b> | 34.35 | <b>08939</b> | 43.50 | <b>08964</b> | 51.80 |
| 2000 - 2099 | <b>08915</b> | 35.30 | <b>08940</b> | 45.55 | <b>08965</b> | 53.15 |
| 2100 - 2199 | <b>08916</b> | 36.35 | <b>08941</b> | 47.25 | <b>08966</b> | 55.95 |
| 2200 - 2299 | <b>08917</b> | 37.75 | <b>08942</b> | 47.95 | <b>08967</b> | 56.40 |
| 2300 - 2399 | <b>08918</b> | 39.15 | <b>08943</b> | 49.65 | <b>08968</b> | 58.35 |
| 2400 - 2499 | <b>08919</b> | 40.00 | <b>08944</b> | 51.25 | <b>08969</b> | 60.00 |
| 2500 - 2599 | <b>08920</b> | 41.10 | <b>08945</b> | 52.80 | <b>08970</b> | 60.95 |
| 2600 - 2699 | <b>08921</b> | 42.25 | <b>08946</b> | 54.00 | <b>08971</b> | 63.40 |
| 2700 - 2799 | <b>08922</b> | 43.60 | <b>08947</b> | 56.00 | <b>08972</b> | 62.15 |
| 2800 - 2899 | <b>08923</b> | 44.85 | <b>08948</b> | 57.40 | <b>08973</b> | 66.35 |
| 2900 - 2999 | <b>08924</b> | 45.95 | <b>08949</b> | 58.70 | <b>08974</b> | 68.35 |





Flat endless Belt

synthetic, blue,

thickness 2 mm

**POWERBAND HIGH CAPACITY**



| Length      | Width = 20   |        | Width = 25   |        | Width = 30   |        |
|-------------|--------------|--------|--------------|--------|--------------|--------|
|             | Ref.         | PRICE  | Ref.         | PRICE  | Ref.         | PRICE  |
| 800 - 899   | 08978        | 38.30  | 09003        | 42.90  | 09028        | 48.70  |
| 900 - 999   | 08979        | 40.00  | 09004        | 45.80  | 09029        | 51.80  |
| 1000 - 1099 | 08980        | 41.75  | 09005        | 47.95  | 09030        | 54.00  |
| 1100 - 1199 | 08981        | 44.40  | 09006        | 51.25  | 09031        | 56.40  |
| 1200 - 1299 | 08982        | 46.70  | 09007        | 53.30  | 09032        | 59.60  |
| 1300 - 1399 | 08983        | 48.65  | 09008        | 56.00  | 09033        | 62.35  |
| 1400 - 1499 | 08984        | 50.40  | 09009        | 57.85  | 09034        | 64.40  |
| 1500 - 1599 | 08985        | 52.80  | 09010        | 60.05  | 09035        | 67.25  |
| 1600 - 1699 | 08986        | 54.00  | 09011        | 63.15  | 09036        | 69.75  |
| 1700 - 1799 | 08987        | 56.00  | 09012        | 64.90  | 09037        | 72.40  |
| 1800 - 1899 | 08988        | 58.35  | 09013        | 66.80  | 09038        | 74.55  |
| 1900 - 1999 | 08989        | 60.05  | 09014        | 68.75  | 09039        | 77.05  |
| 2000 - 2099 | 08990        | 62.75  | 09015        | 71.45  | 09040        | 80.35  |
| 2100 - 2199 | 08991        | 63.85  | 09016        | 73.30  | 09041        | 82.45  |
| 2200 - 2299 | 08992        | 65.45  | 09017        | 74.85  | 09042        | 84.90  |
| 2300 - 2399 | 08993        | 68.35  | 09018        | 77.35  | 09043        | 87.10  |
| 2400 - 2499 | 08994        | 69.75  | 09019        | 79.45  | 09044        | 89.00  |
| 2500 - 2599 | 08995        | 71.40  | 09020        | 81.60  | 09045        | 91.55  |
| 2600 - 2699 | 08996        | 73.25  | 09021        | 83.50  | 09046        | 94.05  |
| 2700 - 2799 | 08997        | 74.95  | 09022        | 85.70  | 09047        | 96.05  |
| 2800 - 2899 | 08998        | 76.10  | 09023        | 87.55  | 09048        | 97.75  |
| 2900 - 2999 | 08999        | 78.30  | 09024        | 89.00  | 09049        | 99.45  |
|             | Largeur = 35 |        | Largeur = 40 |        | Largeur = 45 |        |
| 800 - 899   | 09053        | 53.15  | 09078        | 58.75  | 09103        | 64.90  |
| 900 - 999   | 09054        | 57.40  | 09079        | 62.75  | 09104        | 68.35  |
| 1000 - 1099 | 09055        | 60.05  | 09080        | 65.45  | 09105        | 71.45  |
| 1100 - 1199 | 09056        | 62.75  | 09081        | 69.75  | 09106        | 75.70  |
| 1200 - 1299 | 09057        | 65.45  | 09082        | 72.55  | 09107        | 79.45  |
| 1300 - 1399 | 09058        | 68.75  | 09083        | 74.85  | 09108        | 82.45  |
| 1400 - 1499 | 09059        | 71.40  | 09084        | 78.65  | 09109        | 85.95  |
| 1500 - 1599 | 09060        | 74.55  | 09085        | 81.60  | 09110        | 89.00  |
| 1600 - 1699 | 09061        | 77.75  | 09086        | 83.45  | 09111        | 92.70  |
| 1700 - 1799 | 09062        | 79.95  | 09087        | 87.30  | 09112        | 96.20  |
| 1800 - 1899 | 09063        | 82.45  | 09088        | 90.90  | 09113        | 99.10  |
| 1900 - 1999 | 09064        | 85.60  | 09089        | 94.05  | 09114        | 102.25 |
| 2000 - 2099 | 09065        | 88.40  | 09090        | 97.75  | 09115        | 106.05 |
| 2100 - 2199 | 09066        | 90.90  | 09091        | 100.20 | 09116        | 109.40 |
| 2200 - 2299 | 09067        | 94.05  | 09092        | 103.40 | 09117        | 112.50 |
| 2300 - 2399 | 09068        | 96.20  | 09093        | 105.10 | 09118        | 115.65 |
| 2400 - 2499 | 09069        | 99.10  | 09094        | 108.20 | 09119        | 118.10 |
| 2500 - 2599 | 09070        | 101.55 | 09095        | 111.45 | 09120        | 122.05 |
| 2600 - 2699 | 09071        | 104.05 | 09096        | 114.70 | 09121        | 124.30 |
| 2700 - 2799 | 09072        | 105.80 | 09097        | 117.00 | 09122        | 127.40 |
| 2800 - 2899 | 09073        | 108.00 | 09098        | 119.50 | 09123        | 129.80 |
| 2900 - 2999 | 09074        | 110.20 | 09099        | 121.80 | 09124        | 132.75 |



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



*Flat endless Belt*

*synthetic, blue,*

*thickness 2 mm*

**POWERBAND HIGH CAPACITY**

| Length      | Width = 50   |        | Width = 60   |        | Width = 70    |        |
|-------------|--------------|--------|--------------|--------|---------------|--------|
|             | Ref.         | PRICE  | Ref.         | PRICE  | Ref.          | PRICE  |
| 800 - 899   | <b>09128</b> | 70.40  | <b>09153</b> | 81.95  | <b>09178</b>  | 93.55  |
| 900 - 999   | <b>09129</b> | 75.00  | <b>09154</b> | 87.40  | <b>09179</b>  | 99.40  |
| 1000 - 1099 | <b>09130</b> | 78.40  | <b>09155</b> | 91.75  | <b>09180</b>  | 104.70 |
| 1100 - 1199 | <b>09131</b> | 82.45  | <b>09156</b> | 96.75  | <b>09181</b>  | 109.80 |
| 1200 - 1299 | <b>09132</b> | 86.45  | <b>09157</b> | 100.45 | <b>09182</b>  | 114.60 |
| 1300 - 1399 | <b>09133</b> | 90.00  | <b>09158</b> | 105.45 | <b>09183</b>  | 119.80 |
| 1400 - 1499 | <b>09134</b> | 94.05  | <b>09159</b> | 108.75 | <b>09184</b>  | 125.05 |
| 1500 - 1599 | <b>09135</b> | 98.20  | <b>09160</b> | 113.60 | <b>09185</b>  | 129.65 |
| 1600 - 1699 | <b>09136</b> | 101.15 | <b>09161</b> | 118.55 | <b>09186</b>  | 135.10 |
| 1700 - 1799 | <b>09137</b> | 104.95 | <b>09162</b> | 122.65 | <b>09187</b>  | 139.70 |
| 1800 - 1899 | <b>09138</b> | 109.00 | <b>09163</b> | 126.75 | <b>09188</b>  | 144.40 |
| 1900 - 1999 | <b>09139</b> | 111.85 | <b>09164</b> | 130.20 | <b>09189</b>  | 148.65 |
| 2000 - 2099 | <b>09140</b> | 115.75 | <b>09165</b> | 135.10 | <b>09190</b>  | 153.15 |
| 2100 - 2199 | <b>09141</b> | 119.25 | <b>09166</b> | 138.25 | <b>09191</b>  | 158.95 |
| 2200 - 2299 | <b>09142</b> | 123.15 | <b>09167</b> | 143.20 | <b>09192</b>  | 163.40 |
| 2300 - 2399 | <b>09143</b> | 126.30 | <b>09168</b> | 146.40 | <b>09193</b>  | 167.35 |
| 2400 - 2499 | <b>09144</b> | 129.55 | <b>09169</b> | 149.90 | <b>09194</b>  | 171.00 |
| 2500 - 2599 | <b>09145</b> | 132.40 | <b>09170</b> | 153.55 | <b>09195</b>  | 174.45 |
| 2600 - 2699 | <b>09146</b> | 135.75 | <b>09171</b> | 156.95 | <b>09196</b>  | 178.55 |
| 2700 - 2799 | <b>09147</b> | 138.25 | <b>09172</b> | 160.50 | <b>09197</b>  | 182.35 |
| 2800 - 2899 | <b>09148</b> | 141.35 | <b>09173</b> | 163.55 | <b>09198</b>  | 186.10 |
| 2900 - 2999 | <b>09149</b> | 144.65 | <b>09174</b> | 166.90 | <b>09199</b>  | 216.40 |
|             | Largeur = 80 |        | Largeur = 90 |        | Largeur = 100 |        |
| 800 - 899   | <b>09203</b> | 105.60 | <b>09228</b> | 117.80 | <b>09253</b>  | 129.25 |
| 900 - 999   | <b>09204</b> | 112.10 | <b>09229</b> | 123.85 | <b>09254</b>  | 136.50 |
| 1000 - 1099 | <b>09205</b> | 119.25 | <b>09230</b> | 131.25 | <b>09255</b>  | 144.20 |
| 1100 - 1199 | <b>09206</b> | 123.70 | <b>09231</b> | 137.70 | <b>09256</b>  | 151.50 |
| 1200 - 1299 | <b>09207</b> | 129.25 | <b>09232</b> | 144.30 | <b>09257</b>  | 158.00 |
| 1300 - 1399 | <b>09208</b> | 134.85 | <b>09233</b> | 150.75 | <b>09258</b>  | 165.25 |
| 1400 - 1499 | <b>09209</b> | 140.35 | <b>09234</b> | 157.20 | <b>09259</b>  | 171.40 |
| 1500 - 1599 | <b>09210</b> | 145.90 | <b>09235</b> | 162.80 | <b>09260</b>  | 178.35 |
| 1600 - 1699 | <b>09211</b> | 151.75 | <b>09236</b> | 169.20 | <b>09261</b>  | 184.85 |
| 1700 - 1799 | <b>09212</b> | 157.20 | <b>09237</b> | 175.40 | <b>09262</b>  | 192.45 |
| 1800 - 1899 | <b>09213</b> | 162.00 | <b>09238</b> | 181.25 | <b>09263</b>  | 198.90 |
| 1900 - 1999 | <b>09214</b> | 167.35 | <b>09239</b> | 186.90 | <b>09264</b>  | 204.60 |
| 2000 - 2099 | <b>09215</b> | 173.00 | <b>09240</b> | 193.15 | <b>09265</b>  | 211.60 |
| 2100 - 2199 | <b>09216</b> | 178.95 | <b>09241</b> | 198.95 | <b>09266</b>  | 218.10 |
| 2200 - 2299 | <b>09217</b> | 184.15 | <b>09242</b> | 205.10 | <b>09267</b>  | 224.20 |
| 2300 - 2399 | <b>09218</b> | 188.55 | <b>09243</b> | 210.50 | <b>09268</b>  | 229.65 |
| 2400 - 2499 | <b>09219</b> | 193.05 | <b>09244</b> | 215.15 | <b>09269</b>  | 234.70 |
| 2500 - 2599 | <b>09220</b> | 197.60 | <b>09245</b> | 220.50 | <b>09270</b>  | 239.75 |
| 2600 - 2699 | <b>09221</b> | 201.60 | <b>09246</b> | 225.85 | <b>09271</b>  | 244.85 |
| 2700 - 2799 | <b>09222</b> | 206.15 | <b>09247</b> | 230.80 | <b>09272</b>  | 250.20 |
| 2800 - 2899 | <b>09223</b> | 210.90 | <b>09248</b> | 235.80 | <b>09273</b>  | 254.95 |
| 2900 - 2999 | <b>09224</b> | 215.30 | <b>09249</b> | 240.85 | <b>09274</b>  | 260.25 |



## Flat endless Belt

### High capacity, synthetic

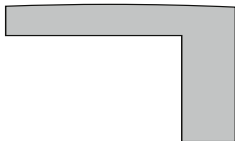
Made in cloth, endless, the HEVALOID belts, made of synthetic thread in different thickness, are soaked in synthetic rubber and then vulcanized. The result is a silent belt that has a great flexibility and a high friction coefficient. Its 90% output, with a high deflexion frequency, allows power economy, consideration of the bearings and an exceptional use lasting. These transfer belts are resistant to oil, acids and lye. They endure permanent temperatures of 100°C. In order to get good results, the pulleys should not have rims. A uniform surface, well worked, assures the best transit of the belt. In all transmission with flat belts, at least one of the pulleys must be bulging in order to assure an efficient guidance.

## HEVALOID

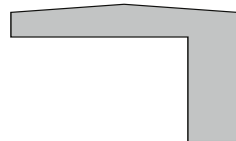


### Conditions of sale: Net prices

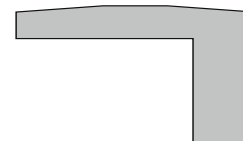
Correct shape that assures an efficient guidance and a long time of use.



Acceptable for a width inferior to 20 mm.



Bad shape, to be absolutely avoided.



The belt thickness, the price of which is indicated in red (525), is 1.5 mm and that of the others (535) is 2 mm.

| Length      | Width = 5 |       | Width = 10 |       | Width = 15 |       |
|-------------|-----------|-------|------------|-------|------------|-------|
|             | Ref.      | PRICE | Ref.       | PRICE | Ref.       | PRICE |
| 500 - 599   | 07600     | 15,50 | 07625      | 20,10 | 07650      | 24,60 |
| 600 - 699   | 07601     | 16,55 | 07626      | 21,65 | 07651      | 24,65 |
| 700 - 799   | 07602     | 17,55 | 07627      | 23,05 | 07652      | 27,50 |
| 800 - 899   | 07603     | 19,15 | 07628      | 25,00 | 07653      | 39,15 |
| 900 - 999   | 07604     | 19,75 | 07629      | 26,10 | 07654      | 41,15 |
| 1000 - 1099 | 07605     | 21,25 | 07630      | 27,50 | 07655      | 43,25 |
| 1100 - 1199 | 07606     | 22,00 | 07631      | 29,25 | 07656      | 45,60 |
| 1200 - 1299 | 07607     | 23,05 | 07632      | 30,55 | 07657      | 47,95 |
| 1300 - 1399 | 07608     | 24,60 | 07633      | 31,80 | 07658      | 50,00 |
| 1400 - 1499 | 07609     | 25,45 | 07634      | 33,00 | 07659      | 52,30 |
| 1500 - 1599 | 07610     | 26,50 | 07635      | 34,70 | 07660      | 54,30 |
| 1600 - 1699 | 07611     | 27,35 | 07636      | 36,35 | 07661      | 56,45 |
| 1700 - 1799 | 07612     | 28,50 | 07637      | 37,70 | 07662      | 58,20 |
| 1800 - 1899 | 07613     | 30,40 | 07638      | 38,55 | 07663      | 60,50 |
| 1900 - 1999 | 07614     | 31,35 | 07639      | 40,75 | 07664      | 62,10 |
| 2000 - 2099 | 07615     | 32,05 | 07640      | 41,50 | 07665      | 63,75 |
| 2100 - 2199 | 07616     | 33,10 | 07641      | 42,70 | 07666      | 66,20 |
| 2200 - 2299 | 07617     | 34,35 | 07642      | 43,60 | 07667      | 67,90 |
| 2300 - 2399 | 07618     | 35,65 | 07643      | 45,05 | 07668      | 69,75 |
| 2400 - 2499 | 07619     | 36,35 | 07644      | 46,65 | 07669      | 71,90 |
| 2500 - 2599 | 07620     | 37,45 | 07645      | 47,95 | 07670      | 72,90 |
| 2600 - 2699 | 07621     | 38,45 | 07646      | 49,25 | 07671      | 76,10 |
| 2700 - 2799 | 07622     | 39,60 | 07647      | 50,95 | 07672      | 77,65 |
| 2800 - 2899 | 07623     | 40,90 | 07648      | 52,10 | 07673      | 79,35 |
| 2900 - 2999 | 07624     | 41,75 | 07649      | 53,35 | 07674      | 81,80 |



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AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## HEVALOID

## Flat endless Belts, synthetic

The belt thickness, the price of which is indicated in red (525), is 1.5 mm and that of the others (535) is 2 mm

| Length      | Width = 20   |        | Width = 25   |        | Width = 30   |        |
|-------------|--------------|--------|--------------|--------|--------------|--------|
|             | Ref.         | PRICE  | Ref.         | PRICE  | Ref.         | PRICE  |
| 500 - 599   | 07675        | 27,50  | 07700        | 31,90  | 07725        | 36,25  |
| 600 - 699   | 07676        | 30,10  | 07701        | 34,70  | 07726        | 38,90  |
| 700 - 799   | 07677        | 32,70  | 07702        | 36,85  | 07727        | 41,60  |
| 800 - 899   | 07678        | 45,60  | 07703        | 51,40  | 07728        | 58,20  |
| 900 - 999   | 07679        | 47,95  | 07704        | 54,85  | 07729        | 60,10  |
| 1000 - 1099 | 07680        | 49,90  | 07705        | 57,45  | 07730        | 64,85  |
| 1100 - 1199 | 07681        | 53,25  | 07706        | 61,30  | 07731        | 67,90  |
| 1200 - 1299 | 07682        | 55,65  | 07707        | 63,75  | 07732        | 71,00  |
| 1300 - 1399 | 07683        | 58,20  | 07708        | 67,00  | 07733        | 74,55  |
| 1400 - 1499 | 07684        | 60,50  | 07709        | 69,50  | 07734        | 77,35  |
| 1500 - 1599 | 07685        | 63,15  | 07710        | 71,90  | 07735        | 80,35  |
| 1600 - 1699 | 07686        | 64,70  | 07711        | 75,15  | 07736        | 83,35  |
| 1700 - 1799 | 07687        | 67,15  | 07712        | 77,65  | 07737        | 86,55  |
| 1800 - 1899 | 07688        | 69,75  | 07713        | 79,95  | 07738        | 89,50  |
| 1900 - 1999 | 07689        | 71,85  | 07714        | 82,25  | 07739        | 92,25  |
| 2000 - 2099 | 07690        | 75,15  | 07715        | 85,70  | 07740        | 96,20  |
| 2100 - 2199 | 07691        | 76,55  | 07716        | 87,65  | 07741        | 98,45  |
| 2200 - 2299 | 07692        | 78,40  | 07717        | 89,70  | 07742        | 101,70 |
| 2300 - 2399 | 07693        | 81,80  | 07718        | 92,60  | 07743        | 104,25 |
| 2400 - 2499 | 07694        | 83,35  | 07719        | 95,25  | 07744        | 106,85 |
| 2500 - 2599 | 07695        | 85,70  | 07720        | 97,80  | 07745        | 109,80 |
| 2600 - 2699 | 07696        | 87,65  | 07721        | 100,10 | 07746        | 112,50 |
| 2700 - 2799 | 07697        | 89,65  | 07722        | 102,80 | 07747        | 114,95 |
| 2800 - 2899 | 07698        | 91,10  | 07723        | 104,85 | 07748        | 117,25 |
| 2900 - 2999 | 07699        | 92,95  | 07724        | 106,85 | 07749        | 119,00 |
|             | Largeur = 35 |        | Largeur = 40 |        | Largeur = 45 |        |
| 500 - 599   | 07750        | 39,60  | 07775        | 43,35  | 07800        | 47,15  |
| 600 - 699   | 07751        | 42,80  | 07776        | 46,95  | 07801        | 51,40  |
| 700 - 799   | 07752        | 45,95  | 07777        | 50,95  | 07802        | 55,45  |
| 800 - 899   | 07753        | 63,75  | 07778        | 70,40  | 07803        | 77,65  |
| 900 - 999   | 07754        | 68,55  | 07779        | 75,15  | 07804        | 81,80  |
| 1000 - 1099 | 07755        | 71,85  | 07780        | 78,40  | 07805        | 85,70  |
| 1100 - 1199 | 07756        | 75,15  | 07781        | 83,35  | 07806        | 90,70  |
| 1200 - 1299 | 07757        | 78,40  | 07782        | 86,90  | 07807        | 95,25  |
| 1300 - 1399 | 07758        | 82,25  | 07783        | 89,65  | 07808        | 98,45  |
| 1400 - 1499 | 07759        | 85,35  | 07784        | 94,15  | 07809        | 102,95 |
| 1500 - 1599 | 07760        | 89,50  | 07785        | 97,80  | 07810        | 106,80 |
| 1600 - 1699 | 07761        | 92,95  | 07786        | 100,10 | 07811        | 110,90 |
| 1700 - 1799 | 07762        | 95,75  | 07787        | 104,70 | 07812        | 115,25 |
| 1800 - 1899 | 07763        | 98,45  | 07788        | 108,90 | 07813        | 118,55 |
| 1900 - 1999 | 07764        | 102,40 | 07789        | 112,50 | 07814        | 122,25 |
| 2000 - 2099 | 07765        | 105,90 | 07790        | 116,70 | 07815        | 126,90 |
| 2100 - 2199 | 07766        | 108,90 | 07791        | 120,00 | 07816        | 130,90 |
| 2200 - 2299 | 07767        | 112,25 | 07792        | 123,85 | 07817        | 134,65 |
| 2300 - 2399 | 07768        | 115,25 | 07793        | 126,05 | 07818        | 138,30 |
| 2400 - 2499 | 07769        | 118,55 | 07794        | 129,65 | 07819        | 141,50 |
| 2500 - 2599 | 07770        | 121,85 | 07795        | 133,45 | 07820        | 146,10 |
| 2600 - 2699 | 07771        | 124,65 | 07796        | 137,45 | 07821        | 149,05 |
| 2700 - 2799 | 07772        | 126,75 | 07797        | 140,05 | 07822        | 151,50 |
| 2800 - 2899 | 07773        | 129,55 | 07798        | 143,05 | 07823        | 155,40 |
| 2900 - 2999 | 07774        | 132,10 | 07799        | 145,90 | 07824        | 159,20 |



## Flat endless Belts, synthetic

## HEVALOID

The belt thickness, the price of which is indicated in red (525), is 1.5 mm and that of the others (535) is 2 mm.

| Length      | Width = 50   |        | Width = 60   |        | Width = 70    |        |
|-------------|--------------|--------|--------------|--------|---------------|--------|
|             | Ref.         | PRICE  | Ref.         | PRICE  | Ref.          | PRICE  |
| 500 - 599   | 07825        | 52,00  | 07850        | 59,55  | 07875         | 68,35  |
| 600 - 699   | 07826        | 55,95  | 07851        | 64,90  | 07876         | 74,55  |
| 700 - 799   | 07827        | 60,25  | 07852        | 70,10  | 07877         | 79,95  |
| 800 - 899   | 07828        | 84,10  | 07853        | 98,05  | 07878         | 112,25 |
| 900 - 999   | 07829        | 89,80  | 07854        | 104,35 | 07879         | 118,55 |
| 1000 - 1099 | 07830        | 93,90  | 07855        | 109,95 | 07880         | 125,15 |
| 1100 - 1199 | 07831        | 98,65  | 07856        | 116,20 | 07881         | 131,50 |
| 1200 - 1299 | 07832        | 103,45 | 07857        | 121,60 | 07882         | 137,30 |
| 1300 - 1399 | 07833        | 107,75 | 07858        | 126,20 | 07883         | 143,45 |
| 1400 - 1499 | 07834        | 112,50 | 07859        | 130,40 | 07884         | 149,80 |
| 1500 - 1599 | 07835        | 117,45 | 07860        | 135,95 | 07885         | 155,30 |
| 1600 - 1699 | 07836        | 121,20 | 07861        | 142,05 | 07886         | 163,00 |
| 1700 - 1799 | 07837        | 125,75 | 07862        | 146,80 | 07887         | 193,30 |
| 1800 - 1899 | 07838        | 130,45 | 07863        | 151,75 | 07888         | 172,95 |
| 1900 - 1999 | 07839        | 133,85 | 07864        | 156,10 | 07889         | 178,25 |
| 2000 - 2099 | 07840        | 138,70 | 07865        | 161,80 | 07890         | 183,40 |
| 2100 - 2199 | 07841        | 142,50 | 07866        | 165,90 | 07891         | 190,45 |
| 2200 - 2299 | 07842        | 147,65 | 07867        | 171,40 | 07892         | 195,70 |
| 2300 - 2399 | 07843        | 151,40 | 07868        | 175,60 | 07893         | 200,35 |
| 2400 - 2499 | 07844        | 154,85 | 07869        | 179,60 | 07894         | 204,85 |
| 2500 - 2599 | 07845        | 158,60 | 07870        | 184,15 | 07895         | 209,60 |
| 2600 - 2699 | 07846        | 162,45 | 07871        | 188,05 | 07896         | 213,95 |
| 2700 - 2799 | 07847        | 165,85 | 07872        | 192,15 | 07897         | 218,55 |
| 2800 - 2899 | 07848        | 169,10 | 07873        | 195,80 | 07898         | 223,10 |
| 2900 - 2999 | 07849        | 173,25 | 07874        | 200,10 | 07899         | 227,65 |
|             | Largeur = 80 |        | Largeur = 90 |        | Largeur = 100 |        |
| 500 - 599   | 07900        | 77,55  | 07925        | 86,80  | 07950         | 94,65  |
| 600 - 699   | 07901        | 83,70  | 07926        | 93,45  | 07951         | 102,95 |
| 700 - 799   | 07902        | 90,15  | 07927        | 100,25 | 07952         | 110,25 |
| 800 - 899   | 07903        | 126,60 | 07928        | 141,20 | 07953         | 154,55 |
| 900 - 999   | 07904        | 134,40 | 07929        | 148,55 | 07954         | 161,80 |
| 1000 - 1099 | 07905        | 142,90 | 07930        | 157,35 | 07955         | 172,60 |
| 1100 - 1199 | 07906        | 148,10 | 07931        | 164,90 | 07956         | 181,60 |
| 1200 - 1299 | 07907        | 154,85 | 07932        | 172,60 | 07957         | 189,45 |
| 1300 - 1399 | 07908        | 161,35 | 07933        | 180,40 | 07958         | 197,80 |
| 1400 - 1499 | 07909        | 168,80 | 07934        | 188,15 | 07959         | 205,35 |
| 1500 - 1599 | 07910        | 174,65 | 07935        | 194,90 | 07960         | 213,60 |
| 1600 - 1699 | 07911        | 181,60 | 07936        | 202,45 | 07961         | 221,50 |
| 1700 - 1799 | 07912        | 188,30 | 07937        | 210,20 | 07962         | 230,45 |
| 1800 - 1899 | 07913        | 193,90 | 07938        | 217,10 | 07963         | 238,30 |
| 1900 - 1999 | 07914        | 200,55 | 07939        | 223,95 | 07964         | 245,10 |
| 2000 - 2099 | 07915        | 207,05 | 07940        | 231,65 | 07965         | 253,40 |
| 2100 - 2199 | 07916        | 214,30 | 07941        | 238,30 | 07966         | 261,10 |
| 2200 - 2299 | 07917        | 220,65 | 07942        | 245,65 | 07967         | 268,70 |
| 2300 - 2399 | 07918        | 225,95 | 07943        | 252,25 | 07968         | 275,20 |
| 2400 - 2499 | 07919        | 231,20 | 07944        | 257,85 | 07969         | 281,20 |
| 2500 - 2599 | 07920        | 236,40 | 07945        | 264,10 | 07970         | 287,15 |
| 2600 - 2699 | 07921        | 241,85 | 07946        | 270,55 | 07971         | 293,50 |
| 2700 - 2799 | 07922        | 247,10 | 07947        | 276,45 | 07972         | 299,65 |
| 2800 - 2899 | 07923        | 252,65 | 07948        | 282,55 | 07973         | 305,50 |
| 2900 - 2999 | 07924        | 259,20 | 07949        | 288,95 | 07974         | 311,85 |



## Assembling Plier

### DIXLINK

Pliers for the dismantling and assembling of trapezoidal link belts.

VEELOS or MAXI belts



| Ref.  | Designation    | Price |
|-------|----------------|-------|
| 01735 | DIXLINK Pliers | 17.00 |

Conditions of sale: Net prices.

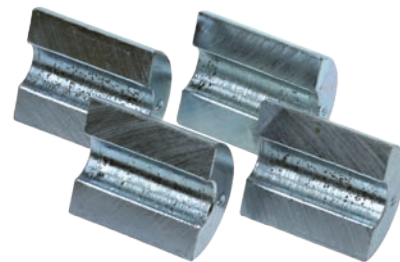
## Vulcanization Plier

### VULCOPLAST

Electrical vulcanization Plier for the round belts including a knife and the transformer. Pipe plays must be ordered separately.



| Ref.  | Designation    | Price  |
|-------|----------------|--------|
| 16740 | Plier          | 724.00 |
| 16770 | Pipe play Ø 3  | 48.00  |
| 16741 | Pipe play Ø 4  | 48.00  |
| 16742 | Pipe play Ø 5  | 48.00  |
| 16743 | Pipe play Ø 6  | 48.00  |
| 16744 | Pipe play Ø 7  | 48.00  |
| 16745 | Pipe play Ø 8  | 48.00  |
| 16746 | Pipe play Ø 9  | 48.00  |
| 16747 | Pipe play Ø 10 | 48.00  |
| 16748 | Pipe play Ø 11 | 48.00  |
| 16749 | Pipe play Ø 12 | 48.00  |



Conditions of sale: Net prices.

## Cutting Plier

Guillotine Plier for clear and regular cutting of round belts.



| Ref.  | Designation | Price |
|-------|-------------|-------|
| 01770 | Plier       | 24.00 |

Conditions of sale: 10 % from 10 pliers.

156 Belts

March 2024



## 5. GRINDING-WHEELS

### Trainer ASCO

This grinding-wheel is intended for the hand straightening, cleaning and profiling of all the grinding-wheels up to diameters of 300 mm and of all thickness. Flanks and periphery can be straightened up. The spinning grinding-wheel with conic Bushel is put on an axis ball bearing support.

| Ref.  | Designation                    | Price  |
|-------|--------------------------------|--------|
| 16430 | support without grinding-wheel | 212.75 |
| 16431 | grinding-wheel                 | 43.50  |

Conditions of sale: Liquidation : 50%



Conditions of sale: Net prices.

### Grinding-wheel for chamfering

A variety of hardnesses is proposed for the manufacturing of golden or steel horology pieces. A perfect chamfering is realized with the ASCO polishing and lapping paste.

Dimension :  $\varnothing_{\text{disk}}$  = 100  
 $\varnothing_{\text{hole}}$  = 20  
 Thickness = 6

#### LEATHER

| Ref.  | Hardness | Price |
|-------|----------|-------|
| 16100 | soft     | 16.50 |
| 16101 | medium   | 16.50 |
| 16102 | hard     | 16.50 |

#### WOOD

| Ref.  | Hardness  | Price |
|-------|-----------|-------|
| 16091 | soft      | 19.80 |
| 16092 | medium    | 10.70 |
| 16093 | hard      | 10.70 |
| 16094 | very hard | 19.80 |

Conditions of sale: Discount: 20% for 20 identical leather pieces  
 20% for 50 identical wood pieces  
 25% for 100 identical wood pieces  
 30% for 200 identical wood pieces

### Diamond resinoid Lapper

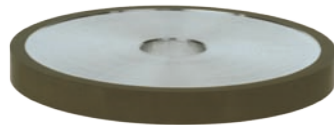
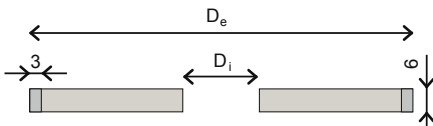
The lapper is used for the polishing or softening of angles of hard metal tools. The resinoid diamond tablet of 40 x 10 x 2 is put on an aluminium base long 170 mm.

| Ref.  | Grain | Price  |
|-------|-------|--------|
| 16465 | D 126 | 105.00 |
| 16466 | D 107 | 105.00 |
| 16467 | D 76  | 105.00 |
| 16468 | D 54  | 105.00 |
| 16469 | D 30  | 105.00 |
| 16470 | D 20  | 105.00 |





Nowadays, for grinding, sophisticated methods are used to put back in good condition the great number of different tools, differing in shape, dimensions, materials. The essential request when grinding is the safeguard of the shape and the dimension of the tool, generating at the same time good cutting edges. This demands grinding-wheels that have a good cutting abrasive and a binder that keeps the shape efficiently. Because of these two necessities, the diamond grinding-wheels are more and more used for the grinding. Special executions can be realized on demand.



## Diamond Grinding-wheel

**ASCO**

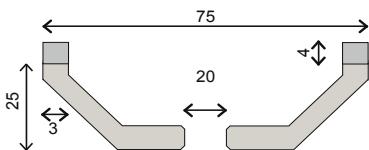
Form 1A1,  $D_e = 100$ ,  $D_i = 20$

| Ref.  | Binder   | Concentration | Grain | Price  |        |
|-------|----------|---------------|-------|--------|--------|
| 16073 | Bakelite | 75            | D 126 | 352.00 |        |
| 16074 |          |               | D 107 | 352.00 |        |
| 16075 |          |               | D 64  | 352.00 |        |
| 16076 |          |               | D 30  | 352.00 |        |
| 16077 |          |               | 50    | D 20   | 321.00 |
| 16078 |          |               |       | D 15   | 321.00 |

Form 1A1,  $D_e = 75$ ,  $D_i = 20$

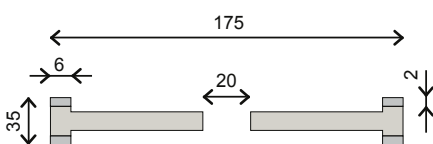
| Ref.  | Binder   | Concentration | Grain | Price  |        |
|-------|----------|---------------|-------|--------|--------|
| 16079 | Bakelite | 75            | D 126 | 260.00 |        |
| 16080 |          |               | D 107 | 260.00 |        |
| 16081 |          |               | D 64  | 260.00 |        |
| 16082 |          |               | D 30  | 260.00 |        |
| 16083 |          |               | 50    | D 20   | 260.00 |
| 16084 |          |               |       | D 15   | 260.00 |

## Conic Bushel D.5327 for EWAG 12A2



| Ref.  | Binder   | Concentration | Grain | Price  |        |
|-------|----------|---------------|-------|--------|--------|
| 16060 | Bakelite | 75            | D 126 | 198.00 |        |
| 16061 |          |               | D 107 | 198.00 |        |
| 16062 |          |               | D 64  | 198.00 |        |
| 16063 |          |               | D 30  | 198.00 |        |
| 16064 |          |               | 50    | D 20   | 198.00 |
| 16065 |          |               |       | D 15   | 198.00 |
| 16066 | D 7      | 198.00        |       |        |        |

## Form D.3941 for AGATHON 9A3



| Ref.  | Binder         | Concentration | Grain | Price  |
|-------|----------------|---------------|-------|--------|
| 16067 | Metal-Bakelite | 75            | D 126 | 495.00 |
| 16068 |                |               | D 107 | 495.00 |
| 16069 |                |               | D 64  | 495.00 |
| 16070 |                |               | D 30  | 495.00 |
| 16071 | Bakelite       | 50            | D 20  | 445.00 |
| 16072 |                |               | D 15  | 445.00 |

Conditions of sale : net prices,  $D_i = 10$  on request.



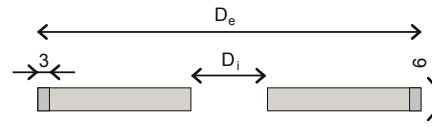


## Borazon Grinding-wheel

Nowadays, for grinding, sophisticated methods are used to put back in good condition the great number of different tools, differing in shape, dimensions, materials. The essential request when grinding is the safeguard of the shape and the dimension of the tool, generating at the same time good cutting edges. This demands grinding-wheels that have a good cutting abrasive and a binder that keeps the shape efficiently. Because of these two necessities, the diamond grinding-wheels are more and more used for the grinding. Special executions can be realized on demand.

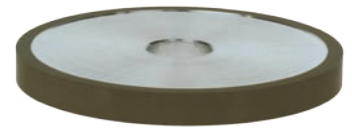
Form 1A1,  $D_e = 100$ ,  $D_i = 20$

| Ref.  | Binder   | Concentration | Grain | Price  |
|-------|----------|---------------|-------|--------|
| 16273 | Bakelite | 75            | B 126 | 347.00 |
| 16274 |          |               | B 107 | 347.00 |
| 16275 |          |               | B 64  | 347.00 |
| 16276 |          |               | B 30  | 347.00 |
| 16277 | Bakelite | 50            | B 20  | 322.00 |
| 16278 |          |               | B 15  | 322.00 |



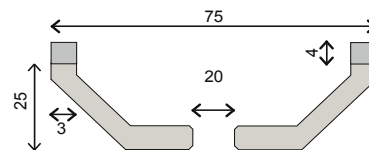
Form 1A1,  $D_e = 75$ ,  $D_i = 20$

| Ref.  | Binder   | Concentration | Grain | Price  |
|-------|----------|---------------|-------|--------|
| 16279 | Bakelite | 75            | B 126 | 273.00 |
| 16280 |          |               | B 107 | 273.00 |
| 16281 |          |               | B 64  | 273.00 |
| 16282 |          |               | B 30  | 273.00 |
| 16283 | Bakelite | 50            | B 20  | 260.00 |
| 16284 |          |               | B 15  | 260.00 |



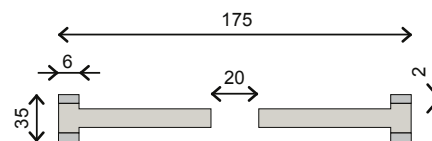
## Conic Bushel D.5327 for EWAG 12A2

| Ref.  | Binder   | Concentration | Grain | Price  |
|-------|----------|---------------|-------|--------|
| 16260 | Bakelite | 75            | B 126 | 223.00 |
| 16261 |          |               | B 107 | 223.00 |
| 16262 |          |               | B 64  | 223.00 |
| 16263 |          |               | B 30  | 223.00 |
| 16264 | Bakelite | 50            | B 20  | 211.00 |
| 16265 |          |               | B 15  | 211.00 |
| 16266 |          |               | B 7   | 211.00 |



## Form D.3941 for AGATHON 9A3

| Ref.  | Binder          | Concentration | Grain | Price  |
|-------|-----------------|---------------|-------|--------|
| 16267 | Métalo-Bakelite | 75            | B 126 | 619.00 |
| 16268 |                 |               | B 107 | 619.00 |
| 16269 |                 |               | B 64  | 619.00 |
| 16270 |                 |               | B 30  | 619.00 |
| 16271 | Bakelite        | 50            | B 20  | 557.00 |
| 16272 |                 |               | B 15  | 557.00 |



Conditions of sale: net prices.

August 2018

Grinding Wheels 159



## Grinding-wheel BAY-STATE

Quality:

8a blue : for hardened steel.

9a red : for chromium steel.

### BELL-SHAPED



| Ref.         | Dimension    | Quality | Grain | Price |
|--------------|--------------|---------|-------|-------|
| <b>07565</b> | 76 x 40 x 20 | 9a      | 60K   | 30.70 |

### BUSHEL-SHAPED



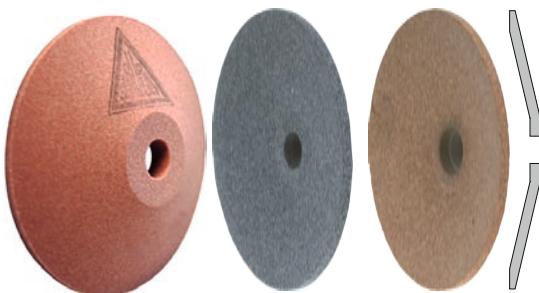
| Ref.         | Dimension      | Quality | Grain | Price |
|--------------|----------------|---------|-------|-------|
| <b>07566</b> | 60 x T10 x H40 | 8a      | 150L  | 18.00 |
| <b>07567</b> | 60 x T18 x H30 | 9a      | 80K   | 17.00 |
| <b>07568</b> | 75 x T10 x H40 | 8a      | 120L  | 18.00 |

### FOR SAWING



| Ref.         | Dimension.     | Manufacturer | Price |
|--------------|----------------|--------------|-------|
| <b>07500</b> | 75 x 0.5 x 10  | Comet        | 8.45  |
| <b>07501</b> | 75 x 0.8 x 10  | Comet        | 8.45  |
| <b>07502</b> | 75 x 1.0 x 10  | Comet        | 8.45  |
| <b>07503</b> | 100 x 0.5 x 10 | Comet        | 15.30 |
| <b>07504</b> | 100 x 0.8 x 10 | Comet        | 9.50  |
| <b>07506</b> | 125 x 1.0 x 32 | ASCO         | 7.50  |

### SEAT-SHAPED



| Ref.         | Dim.         | Quality | Grain | Manufacturer | Price |
|--------------|--------------|---------|-------|--------------|-------|
| <b>07557</b> | 75 x 10 x 10 | MD      | 150   | Sarubin      | 25.70 |
| <b>07559</b> | 75 x 10 x 10 | MD      | 220   | Sarubin      | 25.70 |
| <b>07560</b> | 75 x 13 x 10 | 9a      | 80K   | Bay-State    | 12.85 |
| <b>07561</b> | 75 x 13 x 10 | 9a      | 120 K | Bay-State    | 16.50 |

Conditions of sale: Discount of 10% per order of 10 identical pieces Bay-State and ASCO.  
Discount of 15% per order of 25 identical pieces Bay-State.  
Discount of 20% per order of 25 identical pieces ASCO.  
Discount of 20% per order of 50 identical pieces Bay-State.  
Discount of 30% per order of 50 identical pieces ASCO.



## Grinding-wheel BAY-STATE

### Flat form

| Ref.  | Dimension      | Quality     | Grain  | PRICE  |
|-------|----------------|-------------|--------|--------|
| 07518 | 75 x 3 x 10    | 8a          | 120L   | 14.00  |
| 07519 | 75 x 3 x 10    | 8a          | 150L   | 9.30   |
| 07523 | 75 x 3 x 10    | 9a          | 80K    | 10.25  |
| 07525 | 75 x 3 x 10    | 9a          | 120K   | 10.25  |
| 07526 | 75 x 3 x 10    | 9a          | 150K   | 10.25  |
| 07527 | 75 x 3 x 10    | 9a          | 180K   | 10.25  |
| 07528 | 75 x 3 x 10    | carborundum | 150L   | 13.65  |
| 07529 | 100 x 4 x 10   | Sarubin     | 80 MD  | 26.50  |
| 07530 | 100 x 4 x 10   | Sarubin     | 100 MD | 26.50  |
| 07531 | 100 x 4 x 10   | 8a          | 150L   | 15.00  |
| 07532 | 100 x 4 x 10   | 8a          | 180L   | 12.00  |
| 07533 | 100 x 4 x 10   | 8a          | 220L   | 16.40  |
| 07535 | 100 x 12 x 10  | 8a          | 100L   | 15.50  |
| 07536 | 100 x 15 x 10  | 8a          | 100L   | 17.10  |
| 07537 | 150 x 4 x 32   | 7a          | 80K    | 32.00  |
| 07538 | 150 x 20 x 20  | -           | 46K    | 26.00  |
| 07539 | 150 x 20 x 20  | -           | 60K    | 26.00  |
| 07540 | 150 x 20 x 20  | -           | 80K    | 26.00  |
| 07541 | 180 x 20 x 20  | 8a          | 60L    | 38.00  |
| 07544 | 200 x 30 x 25  | 9a          | 46K    | 52.00  |
| 07545 | 200 x 30 x 25  | 8a          | 60L    | 52.00  |
| 07546 | 250 x 20 x 76  | 8a          | 60K    | 57.00  |
| 07547 | 300 x 25 x 127 | 7a          | 60K    | 103.00 |
| 07548 | 300 x 25 x 127 | 8a          | 70K    | 83.00  |
| 07553 | 100 x 10 x 10  | carborundum | 120 EF | 26.50  |



Conditions of sale: Discount by quantity: 10% for 10 identical pieces.

December 2022

Grinding Wheels 161



## 6. ABRASIVES

### Stones INDIA

The authentic INDIA oilstones are artificial stones made up of abrasives, whose elements undergo a chemical transformation in electric oven on temperatures of 2200° C to 2800° C. This produces a totally new material harder than any material that can be found in nature, except for diamond. This abrasive, marked Alundum, artificially obtained, has an unsurpassed purity and regularity. It is broken, grinded, and sorted by sieves depending on the grain dimension. Then it is given the wished form by adding an agglomerant. After that it is fired in an oven on a high temperature, and the INDIA oilstones are finished.

Square stones



| Ref.  | N°     | Grain  |        |       | Dim.          | PRICE |
|-------|--------|--------|--------|-------|---------------|-------|
|       |        | Coarse | Medium | Fine  |               |       |
| 07213 | 150 11 | CF 14  |        |       | 100 x 6 x 6   | 12.50 |
| 07214 | 150 11 |        | MF 14  |       | 100 x 6 x 6   | 17.00 |
| 07215 | 150 11 |        |        | FF 14 | 100 x 6 x 6   | 17.00 |
| 07216 | 150 12 |        | MF 24  |       | 100 x 8 x 8   | 13.80 |
| 07217 | 150 13 | CF 34  |        |       | 100 x 10 x 10 | 13.80 |
| 07218 | 150 13 |        | MF 34  |       | 100 x 10 x 10 | 17.75 |
| 07219 | 150 13 |        |        | FF 34 | 100 x 10 x 10 | 13.80 |
| 07220 | 150 14 |        | MF 36  |       | 150 x 10 x 10 | 19.90 |
| 07221 | 150 15 | CF 44  |        |       | 100 x 13 x 13 | 14.20 |
| 07222 | 150 15 |        | MF 44  |       | 100 x 13 x 13 | 14.20 |
| 07223 | 150 15 |        |        | FF 44 | 100 x 13 x 13 | 14.20 |
| 07224 | 150 16 | CF 46  |        |       | 150 x 13 x 13 | 19.90 |
| 07225 | 150 16 |        | MF 46  |       | 150 x 13 x 13 | 19.90 |
| 07226 | 150 16 |        |        | FF 46 | 150 x 13 x 13 | 19.90 |
| 07228 | 150 17 |        | MF 56  |       | 150 x 16 x 16 | 21.45 |
| 07229 | 150 17 |        |        | FF 56 | 150 x 16 x 16 | 21.45 |
| 07230 | 150 18 | CF 66  |        |       | 150 x 19 x 19 | 21.45 |
| 07231 | 150 18 |        | MF 66  |       | 150 x 19 x 19 | 21.45 |
| 07232 | 150 18 |        |        | FF 66 | 150 x 19 x 19 | 21.45 |
| 07234 | 150 19 |        | MF 76  |       | 150 x 25 x 25 | 24.10 |
| 07235 | 150 19 |        |        | FF76  | 150 x 25 x 25 | 24.10 |

### Combination stones

One stone, two grains: coarse and Fine



| Ref.  | N°     | Grain  |      | Dim.          | PRICE |
|-------|--------|--------|------|---------------|-------|
|       |        | Coarse | Fine |               |       |
| 07207 | 150 05 | IB 134 |      | 100 x 45 x 16 | 41.00 |
| 07208 | 150 06 | IB 45  |      | 125 x 50 x 20 | 39.35 |
| 07209 | 150 07 | IB 6   |      | 150 x 50 x 25 | 47.10 |
| 07210 | 150 08 | IB 8   |      | 200 x 50 x 25 | 55.55 |

Conditions of sale: Discount of 15 %



## Stones INDIA Stone for penknives grinding

| Ref.  | N°     | Medium grain | Dim.         | PRICE |
|-------|--------|--------------|--------------|-------|
| 07212 | 150 10 | IE 64        | 100 x 19 x 8 | 15.55 |



| Ref.  | N°     | Grain  |        |       | Dim.          | PRICE |
|-------|--------|--------|--------|-------|---------------|-------|
|       |        | coarse | Medium | Fine  |               |       |
| 07194 | 150 00 |        | MB 14  |       | 100 x 25 x 6  | 13.80 |
| 07195 | 150 00 |        |        | FB 14 | 100 x 25 x 6  | 13.80 |
| 07196 | 150 01 | CB 24  |        |       | 100 x 25 x 13 | 19.15 |
| 07197 | 150 01 |        | MB24   |       | 100 x 25 x 13 | 19.15 |
| 07198 | 150 01 |        |        | FB 24 | 100 x 25 x 13 | 19.15 |
| 07199 | 150 02 |        | MB 35  |       | 125 x 50 x 16 | 36.50 |
| 07201 | 150 03 | CB 6   |        |       | 150 x 50 x 25 | 43.90 |
| 07202 | 150 03 |        | MB 6   |       | 150 x 50 x 25 | 43.90 |
| 07203 | 150 03 |        |        | FB 6  | 150 x 50 x 25 | 61.00 |
| 07204 | 150 04 | CB 8   |        |       | 200 x 50 x 25 | 51.80 |
| 07205 | 150 04 |        | MB 8   |       | 200 x 50 x 25 | 51.80 |
| 07206 | 150 04 |        |        | FB 8  | 200 x 50 x 25 | 51.80 |

## Rectangular stones



| Ref.  | N°     | Grain  |        |        | Dim.     | PRICE |
|-------|--------|--------|--------|--------|----------|-------|
|       |        | Coarse | Medium | Fine   |          |       |
| 07236 | 150 20 | CF 114 |        |        | 100 x 6  | 16.00 |
| 07237 | 150 20 |        | MF 114 |        | 100 x 6  | 16.00 |
| 07238 | 150 20 |        |        | FF 114 | 100 x 6  | 16.00 |
| 07239 | 150 21 |        | MF 124 |        | 100 x 8  | 17.35 |
| 07240 | 150 22 | CF 134 |        |        | 100 x 10 | 17.35 |
| 07241 | 150 22 |        | MF 134 |        | 100 x 10 | 23.00 |
| 07242 | 150 22 |        |        | FF 134 | 100 x 10 | 17.35 |
| 07244 | 150 23 |        | MF 136 |        | 150 x 10 | 23.10 |
| 07245 | 150 23 |        |        | FF 136 | 150 x 10 | 23.10 |
| 07246 | 150 24 | CF 144 |        |        | 100 x 13 | 17.35 |
| 07247 | 150 24 |        | MF 144 |        | 100 x 13 | 17.35 |
| 07248 | 150 24 |        |        | FF 144 | 100 x 13 | 17.35 |
| 07250 | 150 25 |        | MF 146 |        | 150 x 13 | 22.85 |
| 07251 | 150 25 |        |        | FF 146 | 150 x 13 | 22.85 |
| 07253 | 150 26 |        | MF 156 |        | 150 x 16 | 24.10 |
| 07254 | 150 26 |        |        | FF 156 | 150 x 16 | 24.10 |
| 07256 | 150 27 |        | MF 166 |        | 150 x 19 | 24.10 |
| 07257 | 150 27 |        |        | FF 166 | 150 x 19 | 24.10 |
| 07258 | 150 28 |        | MF 176 |        | 150 x 25 | 25.80 |

## Triangular stones



Conditions of sale: Discount of 15 %



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*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Stones INDIA

### Round stones



| Ref.  | N°     | Grain  |        |        | Dim.     | PRICE |
|-------|--------|--------|--------|--------|----------|-------|
|       |        | Coarse | Medium | Fine   |          |       |
| 07259 | 150 30 | CF 214 |        |        | 100 x 6  | 19.90 |
| 07260 | 150 30 |        | MF 214 |        | 100 x 6  | 19.90 |
| 07261 | 150 30 |        |        | FF 214 | 100 x 6  | 19.90 |
| 07262 | 150 31 |        | MF 224 |        | 100 x 8  | 21.45 |
| 07263 | 150 32 | CF 234 |        |        | 100 x 10 | 21.45 |
| 07264 | 150 32 |        | MF 234 |        | 100 x 10 | 21.45 |
| 07265 | 150 32 |        |        | FF 234 | 100 x 10 | 21.45 |
| 07266 | 150 33 | CF 244 |        |        | 100 x 13 | 21.45 |
| 07267 | 150 33 |        | MF 244 |        | 100 x 13 | 21.45 |
| 07268 | 150 33 |        |        | FF 244 | 100 x 13 | 21.45 |
| 07270 | 150 34 |        | MF 246 |        | 150 x 13 | 26.60 |
| 07273 | 150 35 |        | MF 256 |        | 150 x 16 | 28.00 |
| 07274 | 150 35 |        |        | FF 256 | 150 x 16 | 28.00 |
| 07276 | 150 36 |        | MF 266 |        | 150 x 19 | 28.00 |

### Half-round stones



| Ref.  | N°     | Grain  |        |        | Dim.     | PRICE |
|-------|--------|--------|--------|--------|----------|-------|
|       |        | Coarse | Medium | Fine   |          |       |
| 07286 | 150 42 |        | MF 334 |        | 100 x 10 | 17.45 |
| 07289 | 150 43 |        | MF 344 |        | 100 x 13 | 17.70 |
| 07290 | 150 43 |        |        | FF 344 | 100 x 13 | 17.70 |



## Stones ARKANSAS

ARKANSAS stone is a natural oilstone, extracted from the Ozark Mountains, a mountain range in the United States of America going from Red River in Oklahoma to the confluence of Missouri and Mississippi. There is no other natural or artificial stone so suitable for the sharpening of particularly well sharpened and delicate cutting edges like those of the surgical tools, the engraver's, jeweller's, sculptor's tools, etc.

ARKANSAS stone's grain is finer than the grain of any other oilstone. Thanks to their hardness, the stones are not damaged by the tools. ARKANSAS stone, a first quality product, is always the most economical.

| Ref.  | Dimension | PRICE |
|-------|-----------|-------|
| 07140 | 100 x 5   | 7.60  |
| 07120 | 100 x 6   | 9.20  |
| 07121 | 100 x 8   | 10.90 |
| 07122 | 100 x 10  | 16.25 |
| 07123 | 120 x 13  | 22.50 |
| 07124 | 120 x 16  | 47.30 |
| 07125 | 120 x 20  | 56.50 |

| Ref.  | Dimension | PRICE |
|-------|-----------|-------|
| 07126 | 100 x 6   | 9.85  |
| 07127 | 100 x 8   | 13.80 |
| 07128 | 100 x 10  | 15.50 |
| 07129 | 120 x 13  | 25.80 |

| Ref.  | Dimension | PRICE |
|-------|-----------|-------|
| 07130 | 100 x 6   | 14.50 |
| 07131 | 100 x 8   | 18.60 |
| 07132 | 100 x 10  | 22.30 |
| 07118 | 120 x 13  | 25.80 |

| Ref.  | Dimension          | PRICE  |
|-------|--------------------|--------|
| 07133 | 75 x 50 x 25       | 90.35  |
| 07134 | 150 x 50 x 20 → 25 | 170.00 |
| 07135 | 200 x 50 x 20 → 25 | 199.00 |

| Ref.  | Dimension | PRICE |
|-------|-----------|-------|
| 07136 | 150 x 50  | 93.00 |
| 07137 | 200 x 50  | 88.00 |



Conditions of sale: Discount of 10 % per order of 10 identical pieces.

March 2023

Abrasives 165



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Sharpening files



## Stones **DEGUSSIT®**

DEGUSSIT® quality is delivered in the following grains:

- 901 Fine
- 902 Medium
- 903 coarse

| Ref.  | N°           | Dimension     | PRICE  |
|-------|--------------|---------------|--------|
| 07031 | 901-41 100-0 | 100 x 25 x 10 | 196.90 |
| 07032 | 902-41 100-0 | 100 x 25 x 10 | 170.80 |
| 07033 | 903-44 100-0 | 100 x 25 x 10 | 146.80 |
| 07034 | 901-41 101-0 | 150 x 25 x 15 | 271.90 |
| 07035 | 902-41 101-0 | 150 x 25 x 15 | 271.90 |
| 07036 | 903-44 101-0 | 150 x 25 x 15 | 261.60 |
| 07037 | 901-41 102-0 | 200 x 50 x 12 | 621.10 |
| 07038 | 902-41 102-0 | 200 x 50 x 12 | 639.90 |

| Ref.  | N°           | Dimension      | PRICE  |
|-------|--------------|----------------|--------|
| 07039 | 902-41 105-0 | 100 x 30 x 7/2 | 274.80 |

| Ref.  | N°           | Dimension     | PRICE  |
|-------|--------------|---------------|--------|
| 07040 | 901-41 110-0 | 100 x 25 x 10 | 193.90 |
| 07041 | 902-41 110-0 | 100 x 25 x 10 | 173.40 |
| 07042 | 903-44 110-0 | 100 x 25 x 10 | 157.80 |
| 07043 | 901-41 111-0 | 120 x 50 x 10 | 417.50 |
| 07044 | 902-41 111-0 | 120 x 50 x 10 | 414.80 |
| 07046 | 901-41 112-0 | 200 x 50 x 12 | 639.90 |
| 07047 | 902-41 112-0 | 200 x 50 x 12 | 653.10 |

| Ref.  | N°           | Dimension | PRICE  |
|-------|--------------|-----------|--------|
| 07048 | 901-41 200-0 | 100 x 4   | 90.50  |
| 07049 | 902-41 200-0 | 100 x 4   | 86.30  |
| 07050 | 901-41 201-0 | 100 x 6   | 100.80 |
| 07051 | 902-41 201-0 | 100 x 6   | 96.70  |
| 07052 | 903-44 201-0 | 100 x 6   | 96.70  |
| 07053 | 901-41 202-0 | 100 x 8   | 155.70 |
| 07054 | 902-41 202-0 | 100 x 8   | 137.60 |
| 07055 | 903-44 202-0 | 100 x 8   | 124.50 |
| 07056 | 901-41 203-0 | 100 x 10  | 177.90 |
| 07057 | 902-41 203-0 | 100 x 10  | 138.20 |
| 07058 | 903-44 203-0 | 100 x 10  | 130.10 |
| 07059 | 901-41 205-0 | 120 x 13  | 249.40 |
| 07060 | 902-41 205-0 | 120 x 13  | 228.90 |
| 07061 | 903-44 205-0 | 120 x 13  | 184.10 |

Conditions of sale: Net prices.





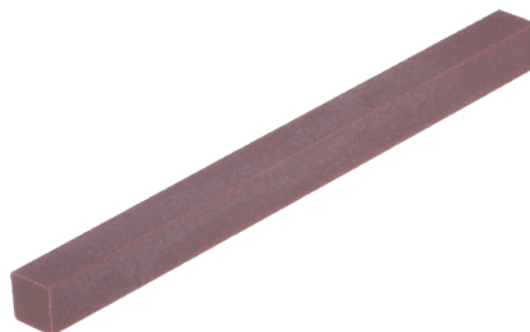
## Stones DEGUSSIT®

### Sharpening files

| Ref.  | N°           | Dimension | PRICE  |
|-------|--------------|-----------|--------|
| 07062 | 901-41 210-0 | 100 x 4   | 116.70 |
| 07063 | 902-41 210-0 | 100 x 4   | 102.00 |



| Ref.  | N°           | Dimension | PRICE  |
|-------|--------------|-----------|--------|
| 07064 | 901-41 211-0 | 100 x 6   | 123.50 |
| 07065 | 902-41 211-0 | 100 x 6   | 105.90 |
| 07066 | 903-44 211-0 | 100 x 6   | 96.30  |
| 07067 | 901-41 212-0 | 100 x 8   | 136.70 |
| 07068 | 902-41 212-0 | 100 x 8   | 136.30 |
| 07069 | 903-44 212-0 | 100 x 8   | 118.30 |
| 07070 | 901-41 213-0 | 100 x 10  | 155.70 |
| 07071 | 902-41 213-0 | 100 x 10  | 153.50 |
| 07072 | 903-44 213-0 | 100 x 10  | 136.70 |
| 07073 | 901-41 214-0 | 120 x 13  | 198.30 |
| 07074 | 902-41 214-0 | 120 x 13  | 179.00 |
| 07075 | 903-44 214-0 | 120 x 13  | 179.00 |



| Ref.  | N°           | Dimension   | PRICE  |
|-------|--------------|-------------|--------|
| 07076 | 901-41 220-0 | 100 x 6 x 3 | 82.00  |
| 07077 | 902-41 220-0 | 100 x 6 x 3 | 84.00  |
| 07078 | 901-41 221-0 | 100 x 8 x 6 | 124.20 |
| 07079 | 902-41 221-0 | 100 x 8 x 6 | 105.90 |
| 07080 | 903-44 221-0 | 100 x 8 x 6 | 105.90 |



| Ref.  | N°           | Dimension | PRICE  |
|-------|--------------|-----------|--------|
| 07081 | 902-41 231-0 | 100 x 10  | 132.90 |
| 07082 | 903-44 231-0 | 100 x 10  | 110.90 |



| Ref.  | N°           | Dimension    | PRICE  |
|-------|--------------|--------------|--------|
| 07083 | 903-44 240-0 | 100 x 13 x 5 | 143.10 |



| Ref.  | N°           | Dimension   | PRICE |
|-------|--------------|-------------|-------|
| 07084 | 901-41 255-0 | 100 x 5 x 2 | 96.30 |
| 07085 | 903-44 255-0 | 100 x 5 x 2 | 96.30 |



Conditions of sale: Net prices.



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CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Stones DEGUSSIT®

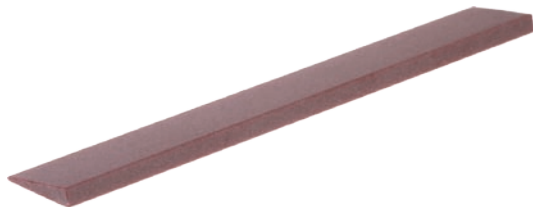
### Sharpening files



| Ref.         | N°           | Dimension | PRICE |
|--------------|--------------|-----------|-------|
| <b>07086</b> | 901-41 261-0 | 100 x 5   | 65.00 |



| Ref.         | N°           | Dimension | PRICE  |
|--------------|--------------|-----------|--------|
| <b>07087</b> | 901-41 270-0 | 100 x 4   | 108.40 |
| <b>07088</b> | 902-41 270-0 | 100 x 4   | 99.40  |
| <b>07089</b> | 901-41 271-0 | 100 x 6   | 119.40 |
| <b>07090</b> | 902-41 271-0 | 100 x 6   | 108.80 |
| <b>07091</b> | 903-44 271-0 | 100 x 6   | 108.80 |
| <b>07092</b> | 901-41 272-0 | 100 x 8   | 133.90 |
| <b>07093</b> | 902-41 272-0 | 100 x 8   | 129.70 |
| <b>07094</b> | 903-44 272-0 | 100 x 8   | 129.70 |
| <b>07095</b> | 901-41 273-0 | 100 x 10  | 149.00 |
| <b>07096</b> | 902-41 273-0 | 100 x 10  | 141.20 |
| <b>07097</b> | 903-44 273-0 | 100 x 10  | 130.50 |



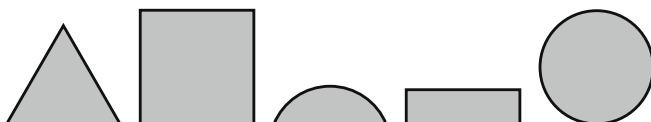
| Ref.         | N°           | Dimension         | PRICE  |
|--------------|--------------|-------------------|--------|
| <b>07098</b> | 901-41 291-0 | 100 x 15 x 3 /0.5 | 205.40 |
| <b>07099</b> | 902-41 291-0 | 100 x 15 x 3 /0.5 | 205.40 |



## Set of DEGUSSIT® Stones

### Sharpening files

| Ref.         | N°           | Contents   | Quality  | PRICE  |
|--------------|--------------|--|----------|--------|
| <b>07100</b> | 900-00 700-0 | 902-41 203-0<br>902-41 213-0<br>901-41 221-0<br>903-44 231-0<br>902-41 271-0 | 901 Fine | 442.30 |



**168 Abrasives**

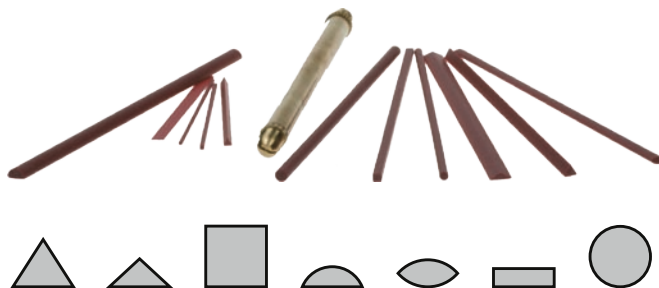
Conditions of sale: Net prices.

April 2019



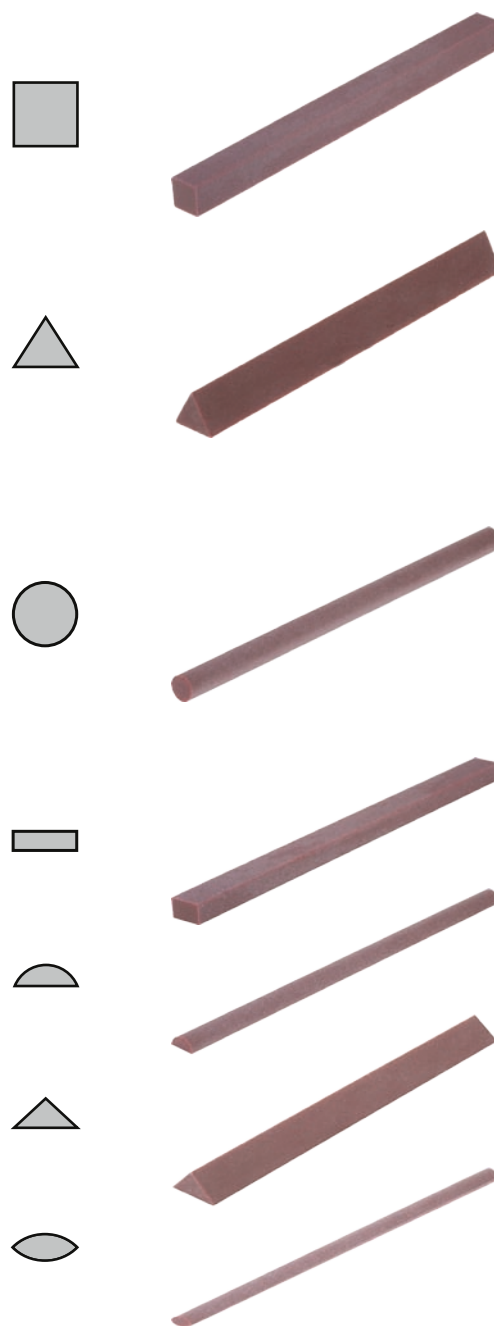
## Set of DEGUSSIT® Stones Sharpening files

| Ref.  | N°           | Contents                                     | Quality  | PRICE  |
|-------|--------------|--|----------|--------|
| 07112 | 900-41 420-0 | 1 Fine of every shape, 1 chuck and 2 sockets | 901 Fine | 249.40 |



## Sharpening stones and files DEGUSSIT®

| Ref.  | N°           | Dimension     | PRICE |
|-------|--------------|---------------|-------|
| 07101 | 901-41 400-0 | 50 x 1        | 10.40 |
| 07102 | 901-41 403-0 | 100 x 2       | 26.80 |
| 07103 | 901-41 402-0 | 50 x 2        | 13.50 |
| 07104 | 901-41 413-0 | 100 x 3       | 42.10 |
| 07105 | 901-41 401-0 | 50 x 1        | 11.20 |
| 07106 | 901-41 404-0 | 100 x 2       | 26.80 |
| 07107 | 901-41 405-0 | 100 x 3       | 26.80 |
| 07108 | 901-41 406-0 | 50 x 3 x 0,3  | 13.50 |
| 07109 | 901-41 407-0 | 100 x 4       | 42.10 |
| 07110 | 901-41 409-0 | 100 x 5 x 1,5 | 44.80 |
| 07111 | 901-41 411-0 | 100 x 4 x 1,5 | 42.10 |





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CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

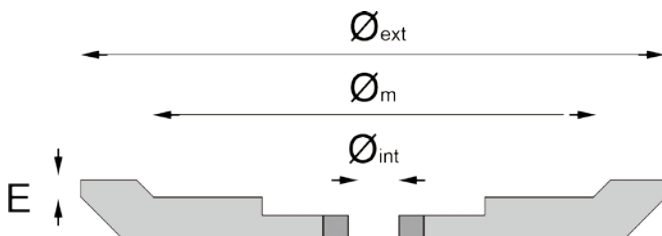
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Pivoting grinding-wheel **DEGUSSIT®**

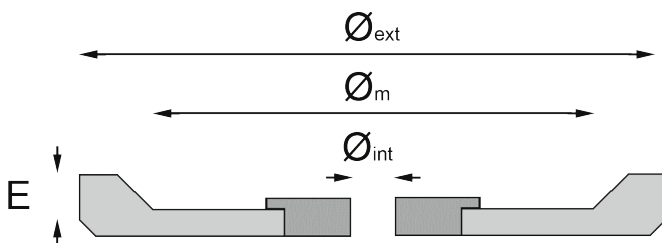


These grinding-wheels are very suitable for the pre-burnishing of the hard pivots in the horology industry and the tools 'manufacturing. Good results are also obtained in the finishing-burnishing. The roughness of the pivoting grinding-wheel is decisive for the obtained surface-finish, for the pivots and for the removed quantity of material. The roughness can be slightly changed by means of a straightening with diamond grinding-wheel with different grains. An increasing roughness of the pivoting grinding-wheel implies an increasing roughness of the pivot after the pivoting, as well as a shorter correction time.

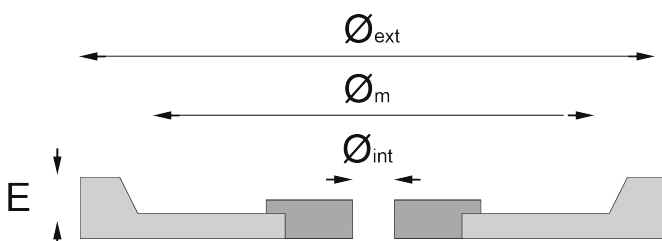
The sharpening of the grinding-wheel must be done on the runner, so that the grinding-wheel will continue to turn perfectly round.



| Ref.  | Article n°   | ext Ø | m Ø | int Ø | E | PRICE  |
|-------|--------------|-------|-----|-------|---|--------|
| 07155 | 931-41 906-1 | 62    | 42  | 10    | 3 | 594.20 |
| 07156 | 931-41 906-2 | 62    | 42  | 10    | 4 | *      |



| Ref.  | Article n°   | ext Ø | m Ø | int Ø | E | PRICE |
|-------|--------------|-------|-----|-------|---|-------|
| 07161 | 931-41 940-3 | 70    | 60  | 12    | 6 | *     |



| Ref.  | Article n°   | ext Ø | m Ø | int Ø | E  | PRICE |
|-------|--------------|-------|-----|-------|----|-------|
| 07163 | 931-41 970-4 | 70    | 60  | 10    | 8  | *     |
| 07164 | 931-41 970-5 | 70    | 60  | 10    | 10 | *     |
| 07165 | 931-41 970-6 | 70    | 60  | 10    | 12 | *     |
| 07166 | 931-41 980-4 | 80    | 60  | 10    | 8  | *     |

Conditions of sale: Net prices.

170 Abrasives

\* Price upon request

August 2018



## Finishing grinding-wheels DEGUSSIT®

These grinding-wheels are particularly suitable for the finish of hard materials. They are available in Fine and Medium grain. Recommended periphery speeds are the following:

- 1-5 m/s for the Fine grain(911)
- 3-15 m/s for the Medium grain (912)

The watering liquid used for the cooling and the cleaning is the petroleum, the cutting oil or some types of emulsions. The straightening is done on the grinding-wheels set on runners with diamond grinding-wheels, with diamond powder straighteners or with DEBORIT sharpeners.

The grain, to be chosen from 50 to 500, depends on the more or less coarse desired surface. The monograin diamond straighteners are not suitable. The clean maintaining of the grinding-wheel is made easier by the application of a felt-pad soaked into petroleum. If not contrarily mentioned, the finish grinding-wheels are delivered with metallic sockets. The grinding-wheels can also be delivered with angle.



| Ref.  | N°           | Ø <sub>external</sub> | Grain  | Thickness | Ø <sub>reaming with socket</sub> | Ø <sub>reaming without socket</sub> | PRICE |
|-------|--------------|-----------------------|--------|-----------|----------------------------------|-------------------------------------|-------|
| 07144 | 912-44 286-0 | 60                    | Medium | 6         | 16                               | 22                                  | *     |
| 07145 | 912-44 373-0 | 75                    | Medium | 3         | 20                               | 30                                  | *     |
| 07146 | 911-41 374-0 | 75                    | Fine   | 4         | 20                               | 30                                  | *     |
| 07147 | 911-41 376-0 | 75                    | Fine   | 6         | 20                               | 30                                  | *     |
| 07148 | 912-44 376-0 | 75                    | Medium | 6         | 20                               | 30                                  | *     |
| 07149 | 911-41 378-0 | 75                    | Fine   | 8         | 20                               | 30                                  | *     |
| 07153 | 911-41 490-0 | 100                   | Fine   | 10        | 32                               | 42                                  | *     |

Conditions of sale: Net prices.

\* Price upon request



## Polishing stick

For bottom plate, case, dial and back cover manufacturing in gold, silver, steel or brass.

| Ref.  | DESIGNATION                 | Ø   | LENGTH | COLOUR | HARDNESS | PRICE  |
|-------|-----------------------------|-----|--------|--------|----------|--------|
| 17720 | Box of 100 Polishing sticks | 1.5 | 15     | Black  | Medium   | 85.00  |
| 17721 |                             | 2.0 | 20     | Black  | Medium   | 85.00  |
| 17722 |                             | 3.0 | 23     | Black  | Medium   | 140.00 |
| 17723 |                             | 4.0 | 26     | Black  | Medium   | 85.00  |
| 17724 |                             | 5.0 | 28     | Black  | Medium   | 140.00 |
| 17730 | Chuck                       | 1.5 |        |        |          | 17.00  |
| 17731 |                             | 2.0 |        |        |          | 16.35  |
| 17732 |                             | 3.0 |        |        |          | 17.40  |
| 17733 |                             | 4.0 |        |        |          | 21.00  |
| 17734 |                             | 5.0 |        |        |          | 12.85  |

Conditions of sale: 10% from 10 boxes or 10 chucks, 15% from 20 boxes or 20 chucks.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Lapping Paste and Powder

### SUPER DIAMOND

#### ULTRA RAPID

TETRABOR (borcarbide) is, after the diamond, the harder material used in the technical domain.

Because TETRABOR's output approaches that of the diamond, it implies an important saving.

Firstly, TETRABOR is used for the hard metal and the very hard hardened steel. Then the TETRABOR in grains is mixed with oil and finally neutral lanoline, stearin or paraffin is added.



Super Diamond (Silicon Carbide) 75 ml.

| Paste tube 100 g |                                       |        |
|------------------|---------------------------------------|--------|
| Ref.             | Grain                                 | PRICE  |
| 00696            | F100 Super Diamond (Silicon Carbide)  | 72.00  |
| 00700            | F220 Super Diamond (Silicon Carbide)  | 72.00  |
| 00703            | F320 Super Diamond (Silicon Carbide)  | 72.00  |
| 00705            | F400 Super Diamond (Silicon Carbide)  | 96.00  |
| 00707            | F600 Super Diamond (Silicon Carbide)  | 96.00  |
| 00708            | F800 Super Diamond (Silicon Carbide)  | 111.00 |
| 00710            | F1200 Super Diamond (Silicon Carbide) | 111.00 |



| Powder box 1 kg |       |        |       |       |        |
|-----------------|-------|--------|-------|-------|--------|
| Ref.            | Grain | Price  | Ref.  | Grain | PRICE  |
| 00712           | F10   | 416.00 | 00720 | F400  | 506.00 |
| 00713           | F60   | 421.00 | 00721 | F500  | 519.00 |
| 00714           | F80   | 415.00 | 00722 | F600  | 535.00 |
| 00715           | F220  | 428.00 | 00723 | F800  | 543.00 |
| 00716           | F240  | 440.00 | 00724 | F1000 | 463.00 |
| 00717           | F280  | 437.00 | 00725 | F1200 | 759.00 |
| 00718           | F320  | 447.00 | 00726 | F1500 | 492.00 |
| 00719           | F360  | 461.00 | 00727 | F3000 | 644.00 |



### ASCO Diamond lapping Paste

Pastes ASCO are made with first quality diamonds in a concentration of 100 for 5 ml.

| Ref.  | Grain size (micron) | Application          | Ref.        | PRICE |
|-------|---------------------|----------------------|-------------|-------|
| 01007 | 0 - 1               | Superpolishing       | White       | 84.50 |
| 01008 | 0 - 2               | Extra Fine polishing | Blue        | 84.50 |
| 01009 | 2 - 6               | Fine polishing       | Green       | 84.50 |
| 01010 | 4 - 8               | Rapid polishing      | Yellow      | 84.50 |
| 01011 | 6 - 12              | Pre-polishing        | Red         | 84.50 |
| 01012 | 15 - 30             | Rapid pre-polishing  | Light brown | 90.60 |
| 01013 | 20 - 40             | Trimming             | Dark brown  | 90.60 |
| 01014 | 35 - 45             | Rapid trimming       | Purple      | 90.60 |

Conditions of sale: Discount 5 % per order of 5 kg of assorted powder.  
10 % per order of 15 kg of assorted powder.



## Buff

### 1600 SIANOR B

#### Special articles for horology

These buffs are entirely covered with abrasive paper, available in the following grains:

150, 180, 240, 500, 1200, 2000.

Indicated references are available from stock. The other shapes listed in the table are delivered on demand.

| Shape     |       |        |           |           |              |      |      |       |
|-----------|-------|--------|-----------|-----------|--------------|------|------|-------|
| Shape     | 1598  | 1599   | 1602      | 1603      | 1604         | 1605 | 1606 | 1607  |
| Dimension | 8 x 4 | 20 x 6 | 6 x 6 x 6 | 8 x 8 x 8 | 10 x 10 x 10 | Ø 5  | Ø 10 | 9 x 4 |

| Réf.  | Grain n°               | Dimension | PRICE |
|-------|------------------------|-----------|-------|
| 00737 | 2000 - 4/0 - 6/0 - 8/0 | 20 x 6    | 6.35  |
| 00739 | 1200 - 2/0 - 3/0       | 20 x 6    | 6.35  |
| 00740 | 500 - 0 - 1F           | 20 x 6    | 6.35  |
| 00741 | 240 - 1 - 1/C          | 20 x 6    | 6.35  |
| 00752 | 180-1G                 | 20 x 6    | 6.35  |
| 00742 | 150 - 2                | 20 x 6    | 6.35  |

SHAPE 1599



| Réf.  | Grain n°               | Dimension | PRICE |
|-------|------------------------|-----------|-------|
| 00757 | 2000 - 4/0 - 6/0 - 8/0 | 6 x 6 x 6 | 6.35  |
| 00747 | 1200 - 2/0 - 3/0       | 6 x 6 x 6 | 6.35  |
| 00649 | 500 - 0 - 1F           | 6 x 6 x 6 | 6.35  |
| 00749 | 240 - 1                | 6 x 6 x 6 | 6.35  |
| 00751 | 180-1G                 | 6 x 6 x 6 | 6.35  |
| 00750 | 150 - 2                | 6 x 6 x 6 | 6.35  |

SHAPE 1602



Conditions of sale: Prices per piece. Discount of 10 % per order of 100 pieces.

Soft calfskin buff for the fitting or the polishing of small parts.

| Ref.  | Length | Width | PRICE |
|-------|--------|-------|-------|
| 00733 | 210    | 12    | 9.25  |
| 00734 | 210    | 6     | 7.50  |

Conditions of sale: Net prices.

January 2023

## Buffs WHITE SKIN





# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Cloth Roll

**2915 SIAROL**

25 MM X 50 M, ECONOMICAL

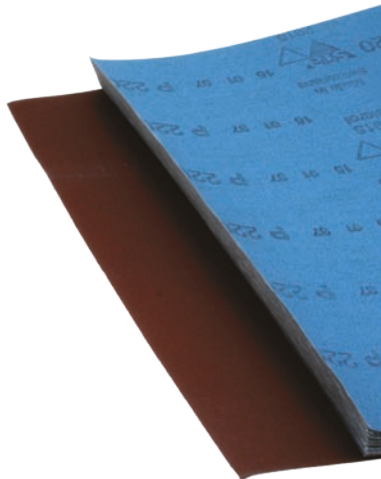


| Ref.  | Grain n° | Conditioning | PRICE / Pce. |
|-------|----------|--------------|--------------|
| 00760 | No 40    | 1 pce        | 58.55        |
| 00761 | No 60    | 1 pce        | 53.45        |
| 00762 | No 80    | 1 pce        | 51.00        |
| 00763 | No 100   | 1 pce        | 51.00        |
| 00764 | No 120   | 1 pce        | 51.00        |
| 00765 | No 150   | 1 pce        | 51.00        |
| 00766 | No 180   | 1 pce        | 51.00        |
| 00767 | No 220   | 1 pce        | 51.00        |
| 00768 | No 240   | 1 pce        | 51.00        |
| 00769 | No 280   | 1 pce        | 51.00        |
| 00770 | No 320   | 1 pce        | 51.00        |
| 00771 | No 400   | 1 pce        | 51.00        |

## Cloth Sheet

**2915 SIAROL**

230 X 280 MM



| Ref.  | Grain n° | Conditioning | PRICE / Pce. |
|-------|----------|--------------|--------------|
| 00773 | No 40    | 25 pces      | 3.10         |
| 00774 | No 60    | 25 pces      | 2.55         |
| 00775 | No 80    | 25 pces      | 2.30         |
| 00776 | No 100   | 25 pces      | 2.30         |
| 00777 | No 120   | 25 pces      | 2.30         |
| 00778 | No 150   | 25 pces      | 2.30         |
| 00779 | No 180   | 25 pces      | 2.30         |
| 00780 | No 220   | 25 pces      | 2.30         |
| 00781 | No 240   | 25 pces      | 2.30         |
| 00782 | No 280   | 25 pces      | 2.30         |
| 00783 | No 320   | 25 pces      | 2.30         |
| 00784 | No 400   | 25 pces      | 2.30         |

Conditions of sale: Net prices.

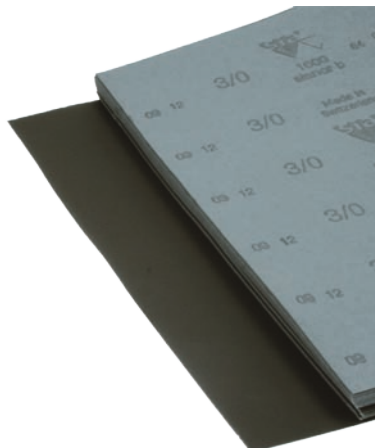
## Paper Sheet

**1713 SIAWAT**

230 X 280 MM

**1600 SIANOR B**

230 X 280 MM



| Ref.  | Grain n° | Conditioning<br>1713 SIAWAT | PRICE / Pce. |
|-------|----------|-----------------------------|--------------|
| 00788 | No 240   | 50 pces                     | 1.20         |
| 00789 | No 500   | 50 pces                     | 1.20         |
| 00790 | No 1200  | 50 pces                     | 1.20         |
| 00791 | No 2000  | 50 pces                     | 2.10         |

| Ref.  | Grain n°      | Conditioning<br>1600 SIANOR B | PRICE / Pce. |
|-------|---------------|-------------------------------|--------------|
| 00792 | No 150        | 100 pces                      | 0.85         |
| 00793 | No 100 / No 3 | 100 pces                      | 0.85         |

Conditions of sale: Net prices for 100 pieces.



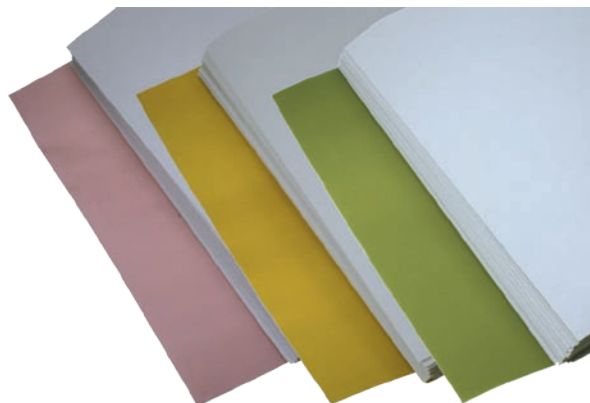


Polyester self-adhesive Sheet soaked into oriented aluminium oxide, for the finish and superfinish of all metals.

| Ref.  | Grain      | Colour | Pack    | PRICE / Pce. |
|-------|------------|--------|---------|--------------|
| 15191 | 60 µ / 240 | silver | 50 pces | 6.30         |

Conditions of sale: Net prices.

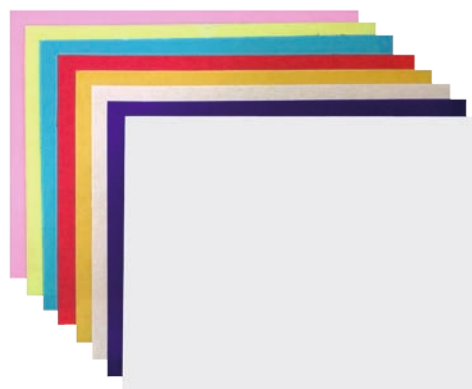
## Self-adhesive Sheet SIMTEC 5910 ILF, 230 x 280



## Self-adhesive Sheet SIMTEC 5930 MICROTEC, 230 x 280

Polyester self-adhesive Sheet soaked into oriented aluminium oxide, for the finish and superfinish of all metals.

| Ref.  | Grain       | Colour       | Pack    | PRICE / Pce. |
|-------|-------------|--------------|---------|--------------|
| 15250 | 1 µ / 6000  | light pink   | 50 pces | 7.25         |
| 15251 | 3 µ / 3000  | light yellow | 50 pces | 7.25         |
| 15252 | 9 µ / 2000  | light blue   | 50 pces | 7.25         |
| 15253 | 12 µ / 1500 | pink         | 50 pces | 7.25         |
| 15255 | 20 µ / 800  | creamy white | 50 pces | 7.25         |
| 15256 | 30 µ / 500  | purple       | 50 pces | 7.25         |
| 15257 | 40 µ / 360  | white        | 50 pces | 7.25         |



Conditions of sale: Net prices.

Polyester self-adhesive Sheet soaked into oriented aluminium oxide, for the preparation to polishing, for the Fine pumicing and the finish of all metals.

## Self-adhesive Sheet SIMTEC AND MICROTEC

5902 230 X 280 SIMTEC

5962 230 X 280 MICROTEC

| Ref.  | Grain       | Reference | Pack    | PRICE / PCE. |
|-------|-------------|-----------|---------|--------------|
| 15202 | 100 µ / 150 | 5902      | 50 pces | 9.55         |
| 15203 | 80 µ / 180  | 5902      | 50 pces | 9.55         |
| 15205 | 60 µ / 240  | 5962      | 25 pces | 9.55         |
| 15206 | 50 µ / 280  | 5962      | 25 pces | 9.55         |
| 15207 | 30 µ / 500  | 5962      | 25 pces | 9.55         |
| 15204 | 40 µ / 360  | 5962      | 25 pces | 9.55         |
| 15208 | 20 µ / 800  | 5902      | 50 pces | 9.55         |
| 15209 | 15 µ / 1200 | 5962      | 25 pces | 9.55         |
| 15210 | 9 µ / 2000  | 5962      | 50 pces | 9.55         |



Conditions of sale: Net prices.

December 2023

Abrasives 175



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : INFO@SCHURCH-ASCO.COM

WEB : WWW.SCHURCH-ASCO.COM

## 7. POLISHING PRODUCTS



Diamantine

### Polishing powder

#### DIAMANTINE

Our first quality diamantines are ideal for the refining of the surface-finish.

Our range goes from standard brightening powder to the very fine powder for the super finish.

| Ref.  | Designation      | Grain size  | Packaging [kg] | Price  |
|-------|------------------|-------------|----------------|--------|
| 00499 | Medium BAIXE XE6 | 4 - 19 mü   | 1KG            | 102.00 |
| 00495 | Standard         | 45 mü       |                | 19.00  |
| 16330 | Extra GE6        | 4 - 19 mü   |                | 148.00 |
| 00496 | Fine PA          | 2.5 - 10 mü |                | 40.00  |

Conditions of sale: Discount 10 % from 5 kg  
15 % from 40 kg  
20 % from 100 kg



### Liquid diamantine GE6S

High brightening power 1 µ  
Recommended for steel, stainless steel, brass, copper.

| Ref.  | Designation | Packaging [ l ] | Price  |
|-------|-------------|-----------------|--------|
| 16334 | Diamantine  | 1 l             | 120.00 |

Conditions of sale: Discount 10 % from 5 l  
15 % from 40 l

### Polishing liquids



| Ref.  | Designation   | Packaging [kg] | Price |
|-------|---------------|----------------|-------|
| 00568 | FC 120 PH 7.6 | 25 kg          | 13.55 |

The liquid compounds are the optimal working basis for all polishing techniques. Thanks to their cleaning capacity, they keep the parts and the abrasives clean. Application: 0.5 % vol. for steel, stainless steel, iron, aluminium, brass, copper. Recommended for trimming, brightening and polishing.

| Ref.  | Designation   | Packaging [kg] | Price |
|-------|---------------|----------------|-------|
| 00690 | ZF 120 PH 9.5 | 25 kg          | 16.15 |

Conditions of sale: Discount 10 % from 90 kg  
176 Polishing

October 2023



## Carriers without abrasifs

| Ref.  | N° | Packing [kg] | Price |
|-------|----|--------------|-------|
| 00555 | 6  | 20           | 5.30  |

| Ref.  | N° | Packing [kg] | Price |
|-------|----|--------------|-------|
| 00556 | 12 | 20           | 6.30  |

| Ref.  | N° | Packing [kg] | Price |
|-------|----|--------------|-------|
| 00557 | 16 | 20           | 3.70  |

| Ref.  | N° | Packing [kg] | Price |
|-------|----|--------------|-------|
| 00558 | 20 | 25           | 6.60  |

| Ref.  | N° | Packing [kg] | Price |
|-------|----|--------------|-------|
| 00559 | 30 | 20           | 6.80  |

| Ref.  | N° | Packing [kg] | Price |
|-------|----|--------------|-------|
| 00541 | 40 | 20           | 5.60  |

| Ref.  | N°     | Packing [kg] | Price |
|-------|--------|--------------|-------|
| 00561 | 80/100 | 20           | 4.20  |
| 00564 | 100    | 20           | 6.00  |

## SOFTENED GRANULUM SAWDUST

### CRUSHED CORN RAIDS



For the dry polishing of pieces of any type.  
Grain size: 1 to 2 mm

### FRUIT PIPS GRANULATED

| Ref.  | N°     | Packing [kg] | Price |
|-------|--------|--------------|-------|
| 00570 | 12 / 3 | 25           | 5.20  |



Conditions of sale: Prices are per kilo and for the minimum packing indicated in the table.

December 2023

Polishing 177



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AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
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SOFTENED POPLAR SAWDUST



| Ref.  | N°  | Packing [kg] | Price |
|-------|-----|--------------|-------|
| 00566 | S16 | 10           | 4.20  |

## Abrasive pastes

Abrasive PAI CRISTAL ITALIA solution for dry polishing used with different carriers like nuts granulated, granulum-sawdusts that permit to true, polish and brighten.

Use: add to the carrier a volume of paste that is 0,2 to 0,3 % of the carrier's volume, hand-mix it before activating the vibrator or the barrel (20 to 30 min) in order to mix well the abrasive. It is important to choose the proper grain size. These abrasives can also be used in humid environment, preferably with a liquid component like FC 120 or ZF 120. Excellent results on 20 HRC to 50 HRC steel.



| Ref.  | Designation            | Packing [kg] | Price |
|-------|------------------------|--------------|-------|
| 15220 | Roughing out paste M S | 1 kg         | 37.60 |



| Ref.  | Designation                   | Packing [kg] | Price |
|-------|-------------------------------|--------------|-------|
| 15221 | Dry polishing paste Flat Plus | 1 kg         | 29.00 |



| Ref.  | Designation              | Packing [kg] | Price |
|-------|--------------------------|--------------|-------|
| 15222 | Shining liquid TOP BRILL | 1 kg         | 27.00 |

Conditions of sale: Discount 10 % from 10 kg  
20 % from 50 kg



## Carriers with abrasives

Made of nuts soaked in PAI CRISTAL ITALIA abrasives, ready to use.

Use: After a long use of the granules, add 0,2 to 0,3 % of the composant's weight in order to re-establish a cutting capacity to the mixture. It is important to chose the appropriate cutting capacity (see page before) and the adequate grain size depending on the pieces that are being polished.

Minimal packing: 10 kg.

The original packaging is 25 kg.

Different grain sizes on demand.

### FRUIT PIPS GRANULATED

| Ref.  | Carrier | Size           | Paste | Price |
|-------|---------|----------------|-------|-------|
| 15223 | 099     | 2,00 - 3,00 mm | MS    | 27.00 |
|       |         |                | Draft |       |



| Ref.  | Carrier | Size           | Paste     | Price |
|-------|---------|----------------|-----------|-------|
| 15224 | 099     | 2,00 - 3,00 mm | NR        | 27.00 |
|       |         |                | Polishing |       |



| Ref.  | Carrier | Size           | Paste     | Price |
|-------|---------|----------------|-----------|-------|
| 15225 | 099     | 2,00 - 3,00 mm | Topbrille | 27.00 |
|       |         |                | Softening |       |



| Ref.  | Carrier | Size           | Paste | Price |
|-------|---------|----------------|-------|-------|
| 15226 | 003     | 0,40 - 0,80 mm | MS    | 27.00 |
|       |         |                | Draft |       |



| Ref.  | Carrier | Size           | Paste     | Price |
|-------|---------|----------------|-----------|-------|
| 15227 | 003     | 0,40 - 0,80 mm | NR        | 27.00 |
|       |         |                | Polishing |       |



| Ref.  | Carrier | Size           | Paste     | Price |
|-------|---------|----------------|-----------|-------|
| 15228 | 003     | 0,40 - 0,80 mm | Topbrille | 27.00 |
|       |         |                | Softening |       |



Conditions of sale: Discount 10 % from 10 kg  
20 % from 50 kg

Prices are per kilo and for the mininum packing indicated in the table.

November 2019

Polishing 179



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CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
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## CERAMIC ball

Ceramic balls are used as carriers for the polishing of different horology pieces, preferably soaked pieces like pinions, screws, pull-out pieces, wheels, etc.

Liquid compounds are the optimal work bases of the modern techniques of Tribofinishing. Thanks to their high cleaning capacity, they keep the pieces and the abrasives clean and prepare them to any treatment of Tribofinishing.

Application: the balls size has to be chosen according to the dimension of the pieces that have to be polished.

Abrasive: diamantine ASCO from standard to very fine to be mixed with the balls and the lubricants.

| COMPOSITION CHEMICAL   | FEATURES  | STANDARDS   | PACKING   |
|--|---|---|---|
| <b>Typical values</b><br><b>ZrO2 60 - 70%</b><br><b>SiO2 27-33%</b><br><b>Al2O3 &lt; 10%</b>   | Density (volume) 3.8<br>Apparent density approx. 2.1 – 2.4<br>Hardness 7 - 7.5 Mohs<br>(indicative 700 HV1 and 50-65 HRC)<br>Melting point 2100°C Spherical shape | AMS 2431/7 or NF L 06-824<br>According to references,<br>Consult us | Bags or cans of<br>25KG<br>according to reference,<br>on pallet.<br>Other packing on study<br>and costing |
| <b>SIZE Expressed in <math>\mu</math> microns. Major particle size ranges by reference</b>   |   |   |   |
| 0 - 63 , 10 - 30 , 30 - 63 , 45 - 90 , 0 - 125 , 63/70 - 125 , 125 - 180<br>125 - 250 , 180 - 250 , 250 - 425 , 425 - 600 , 600 - 850 , 850 - 1180 |   |   |   |



| Ref.  | Packing [kg] | Ø            | Price |
|-------|--------------|--------------|-------|
| 02500 | -5           | ≤ 0.063      | 38.90 |
| 02501 | 5            | ≤ 0.063      | 36.90 |
| 02502 | 25           | ≤ 0.063      | 31.10 |
| 02503 | 50           | ≤ 0.063      | 29.20 |
| 02504 | 100          | ≤ 0.063      | 27.30 |
| 02505 | -5           | 0.10 → 0.30  | 38.90 |
| 02506 | 5            | 0.10 → 0.30  | 36.90 |
| 02507 | 25           | 0.10 → 0.30  | 31.10 |
| 02508 | 50           | 0.10 → 0.30  | 29.20 |
| 02509 | 100          | 0.10 → 0.30  | 27.30 |
| 02510 | -5           | 0.25 → 0.425 | 38.90 |
| 02511 | 5            | 0.25 → 0.425 | 36.90 |
| 02512 | 25           | 0.25 → 0.425 | 31.10 |
| 02513 | 50           | 0.25 → 0.425 | 29.20 |
| 02514 | 100          | 0.25 → 0.425 | 27.30 |
| 02515 | -5           | 0.425 → 0.60 | 38.90 |
| 02516 | 5            | 0.425 → 0.60 | 36.90 |
| 02517 | 25           | 0.425 → 0.60 | 31.10 |
| 02518 | 50           | 0.425 → 0.60 | 29.20 |
| 02519 | 100          | 0.425 → 0.60 | 27.30 |

Conditions of sale: Prices are per kilo and for the minimum packing indicated in the table.



## COPPER ball & BRONZE ball

Copper balls and Bronze balls are used as carriers for the polishing of different horology pieces, preferably soaked pieces like pinions, screws, pull-out pieces, wheels, etc.

Liquid compounds are the optimal work bases of the modern techniques of Tribofinishing. Thanks to their high cleaning capacity, they keep the pieces and the abrasives clean and prepare them to any treatment of Tribofinishing.

Application: the balls size has to be chosen according to the dimension of the pieces that have to be polished.

Abrasive: diamantine ASCO from standard to very fine to be mixed with the balls and the lubricants.

### COPPER ball

| Ref.  | Grain | Ø            | Price |
|-------|-------|--------------|-------|
| 00575 | < 5   | ≤ 0.063      | 76.10 |
| 00576 | 5     | ≤ 0.063      | 72.30 |
| 00577 | 25    | ≤ 0.063      | 60.90 |
| 00578 | 50    | ≤ 0.063      | 57.10 |
| 00579 | 100   | ≤ 0.063      | 45.70 |
| 00580 | < 5   | 0.08 → 0.16  | 81.10 |
| 00581 | 5     | 0.08 → 0.16  | 77.05 |
| 00582 | 25    | 0.08 → 0.16  | 64.90 |
| 00583 | 50    | 0.08 → 0.16  | 60.85 |
| 00584 | 100   | 0.08 → 0.16  | 48.70 |
| 00585 | < 5   | 0.315 → 0.63 | 83.40 |
| 00586 | 5     | 0.315 → 0.63 | 79.25 |
| 00587 | 25    | 0.315 → 0.63 | 66.75 |
| 00588 | 50    | 0.315 → 0.63 | 62.55 |
| 00589 | 100   | 0.315 → 0.63 | 50.05 |



### BRONZE ball

| Ref.  | Packing [kg] | Ø             | Price |
|-------|--------------|---------------|-------|
| 00590 | < 25         | ≤ 0.16        | 46.75 |
| 00591 | 25           | ≤ 0.16        | 37.40 |
| 00592 | 50           | ≤ 0.16        | 35.10 |
| 00593 | 100          | ≤ 0.16        | 28.05 |
| 00594 | 500          | ≤ 0.16        | 27.05 |
| 16901 | < 5          | 0.071 → 0.16  | 82.65 |
| 16902 | 5            | 0.071 → 0.16  | 78.55 |
| 16903 | 25           | 0.071 → 0.16  | 66.15 |
| 16904 | 50           | 0.071 → 0.16  | 62.00 |
| 16905 | 100          | 0.071 → 0.16  | 49.60 |
| 00595 | < 25         | 0.10 → 0.315  | 49.00 |
| 00596 | 25           | 0.10 → 0.315  | 46.55 |
| 00597 | 50           | 0.10 → 0.315  | 44.10 |
| 00598 | 100          | 0.10 → 0.315  | 39.20 |
| 00599 | 500          | 0.10 → 0.315  | 34.30 |
| 00515 | -5           | 0.315 → 0.630 | 68.30 |
| 00516 | 5            | 0.315 → 0.630 | 64.90 |
| 00517 | 25           | 0.315 → 0.630 | 54.65 |
| 00518 | 50           | 0.315 → 0.630 | 51.25 |
| 00519 | 100          | 0.315 → 0.630 | 41.00 |



Conditions of sale: Prices are per kilo and for the minimum packing indicated in the table.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

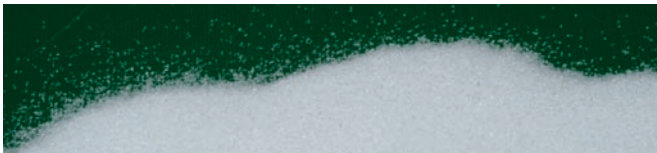
## *Abrasive Powder*

### BIKORIT

Crystallized alumina powder used as abrasive for the truing, the lapping, the sand-blasting or the trimming of horology pieces.



| Ref.  | Grain | Packing [kg] | Price |
|-------|-------|--------------|-------|
| 00511 | F 100 | 1 kg         | 14.75 |
| 00513 | F 150 |              | 14.75 |



| Ref.  | Grain | Packing [kg] | Price |
|-------|-------|--------------|-------|
| 00514 | F 280 | 1 kg         | 17.00 |

## *Abrasive Powder*

### CARBORUNDUM

Abrasive silicon carbide powder  
For the trimming, the pre-polishing and the planishing for every type of grinding-wheel.



| Ref.  | Grain | Packing [kg] | Price |
|-------|-------|--------------|-------|
| 00631 | 80    | 1 kg         | 31.35 |

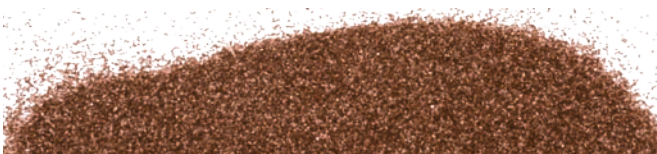


| Ref.  | Grain | Packing [kg] | Price |
|-------|-------|--------------|-------|
| 00632 | 120   | 1 kg         | 31.35 |
| 00639 | 150   | 1 kg         | 31.35 |

## *Abrasive Powder*

### BROWN CORINDON

Crystallized alumina powder used as abrasive for the truing, the lapping, the sand-blasting or the trimming of horology pieces.



| Ref.  | Grain | Packing [kg] | Price |
|-------|-------|--------------|-------|
| 00544 | 70    | 1 kg         | 7.00  |

Conditions of sale: Net prices

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September 2022





## PIERRE ASCOSIT

WHITE CERAMIC

TRIANGULAR, ULTRA-THIN FOR TOUCH-UPS

| Ref.  | Height | Dimension  | Price  |
|-------|--------|------------|--------|
| 00960 | 15 mm  | 70 * 50 mm | 300.00 |



Conditions of sale: Net prices

## TRIPOD BRASS POLISHING VICE

WITH BRASS PART HOLDER

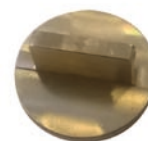
WITH TWO HEIGHT-ADJUSTABLE SCREWS

| Ref.  | Price  |
|-------|--------|
| 00947 | 260.00 |



BRASS WORKPIECE HOLDER FOR VICE

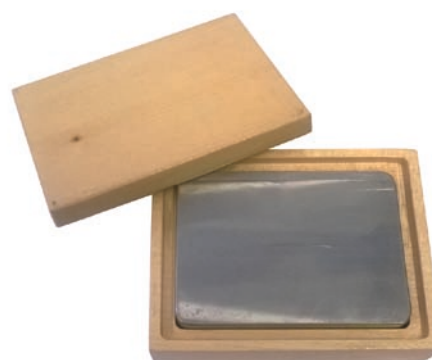
| Ref.  | Diameter | Price |
|-------|----------|-------|
| 00948 | 25 mm    | 15.00 |



## PEWTER PLAQUE

WITH WOODEN BOX

| Ref.  | Height | Dimension  | Price  |
|-------|--------|------------|--------|
| 00946 | 15 mm  | 70 * 50 mm | 300.00 |



| Ref.  | Height | Dimension   | Price  |
|-------|--------|-------------|--------|
| 00945 | 10 mm  | 145 * 74 mm | 305.00 |



Conditions of sale: Net prices

September 2023

Polishing 183



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CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

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**Ceramic abrasives**

**SKEW CYLINDER ZS**

Recommended for trimming and polishing  
Packing: 25 kg sack

Abrasive is obtained from a basis of a pressed mixture of controlled raw materials. It is extruded and cut in the required shape and then fired in a continual furnace. A perfect follow-up of the firing temperature curves guarantees a constant quality of every type of abrasive.

The repetition of the results requested in Tribofinishing depends upon this constant quality. The ceramic abrasives

| RP 2.91 g/cm <sup>3</sup> |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ref.                      | 07982 | 07983 | 07984 | 07985 | 07986 | 07987 | 07988 | 07989 | 07990 |
| Ø                         | 2     | 3     | 3     | 4     | 4     | 5     | 6     | 6     | 7     |
| Length                    | 5     | 5     | 10    | 5     | 10    | 10    | 10    | 13    | 15    |
| Price                     | 42.85 | 36.15 | 19.05 | 22.30 | 18.10 | 18.10 | 19.00 | 17.40 | 15.00 |

| RM 2.49 g/cm <sup>3</sup> |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| Ref.                      | 07994 | 07995 | 07996 | 07997 | 07998 | 07999 | 08000 |
| Ø                         | 3     | 4     | 6     | 7     | 10    | 12    | 15    |
| Length                    | 10    | 10    | 13    | 15    | 20    | 25    | 30    |
| Price                     | 14.35 | 9.85  | 8.95  | 9.25  | 8.75  | 8.60  | 8.45  |

**Ceramic abrasives**

**PRISME D**

Recommended for trimming and polishing  
Packing: 25 kg sack



| RP 2.91 g/cm <sup>3</sup> |       |       |       |       |
|---------------------------|-------|-------|-------|-------|
| Ref.                      | 08001 | 08002 | 08003 | 08004 |
| Ø                         | 3     | 4     | 6     | 10    |
| Length                    | 3     | 4     | 6     | 10    |
| Price                     | 43.20 | 43.20 | 43.20 | 43.20 |

Conditions of sale: Discount: 5 % for 50 kg.  
10 % for 100 kg. Increase:  
10 % for less than 25 kg.



## **Buffing paste**

### **ASCO TI BLUE**

This paste is made with a fine composition for very meticulous buffing and lapping.

| Ref.  | Grain size      | Packaging | Price  |
|-------|-----------------|-----------|--------|
| 00530 | blue, very fine | 1 kg      | 119.00 |



Conditions of sale: discount 10% from 5 kg  
20% from 20 kg

## **Buffing paste**

### **HIGHGLOSS**

Diamantine paste is a fine composition for very meticulous buffing and lapping.

| Ref.  | Grain size        | Packaging | Price |
|-------|-------------------|-----------|-------|
| 16350 | white, extra-fine | 1 kg      | 72.00 |



Conditions of sale: discount 10% from 5 kg  
20% from 20 kg

### **RED STUFF BS**

Finishing paste for the buffing of the precious metals.

| Ref.  | Grain size     | Packaging | Price |
|-------|----------------|-----------|-------|
| 00551 | composition BS | 1 kg      | 36.00 |



Conditions of sale: discount 10% from 50 kg  
15% from 100 kg

Net prices per kilo for indicated packaging at least.

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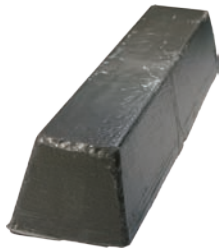
# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



Conditions of sale: discount  
10% from 30 kg  
15% from 60 kg  
18% from 90 kg  
20% from 150 kg

## Polishing paste

**LEAROCK**

GREY 404 BELGE

Particularly biting paste for the felted parts and to polish the big flaws. Brushing paste.

| Réf.  | Designation | Packaging | Price |
|-------|-------------|-----------|-------|
| 00537 | LEAROCK 404 | from 1kg  | 18.10 |



Conditions of sale: discount  
10% from 30 kg  
15% from 60 kg  
18% from 90 kg  
20% from 150 kg

**LEAROCK**

WHITE 309-1984

Particularly biting finishing and buffing paste. Ideal for brass, gold, platinum and non-ferrous metals.

| Réf.  | Designation      | Packaging | Price |
|-------|------------------|-----------|-------|
| 00546 | LEAROCK 309-1984 | from 1kg  | 13.30 |



Conditions of sale: discount  
10% from 30 kg  
15% from 60 kg  
18% from 90 kg  
20% from 150 kg

**LEAROCK**

6B90

Finishing and fine buffing paste. Ideal for brass, gold, platinum and non-ferrous metals.

| Réf.  | Designation  | Packaging | Price |
|-------|--------------|-----------|-------|
| 16361 | LEAROCK 6B90 | from 1kg  | 18.00 |



Conditions of sale: discount  
10% from 30 kg  
15% from 60 kg  
18% from 90 kg  
20% from 150 kg

**MENZERNA**

Cire 6 finishing and buffing paste of synthetic material. Ideal for lacquer and plastic (dial, glass).

Polishing Cire 16 paste of synthetic material. Ideal for lacquer and plastic (dial, glass).

| Réf.  | Designation      | Packaging | Price |
|-------|------------------|-----------|-------|
| 16371 | Cire 6 Menzerna  | from 1kg  | 21.55 |
| 16366 | Cire 16 Menzerna |           | 21.35 |



## Polishing Felt

These polishing disks have a unique reference. Ideal use with the polishing pastes ref. 00546, 16361.

The following 4 specifications must be given in addition to the order:

1. Internal diameter
2. External diameter
3. Thickness
4. Hardness

Remark: delivering period varies from 6 to 8 weeks.



| Ref.  | Quality | Colour | Price / Kg |         | Table of the available hardnesses |         |           |         |                   |           |
|-------|---------|--------|------------|---------|-----------------------------------|---------|-----------|---------|-------------------|-----------|
|       |         |        | ∅ < 180    | ∅ ≥ 180 | Hardness                          | Density | Hardness  | Density | Hardness          | Density   |
| 16515 | A       | white  |            | 7.25    | very soft                         | 0.28    | semi-hard | 0.52    | prepared rigidity | 0.7       |
| 16516 | AB      | white  |            | 96.80   | soft                              | 0.36    | hard      | 0.62    | extra hard        | 0.7 → 0.8 |
| 16517 | C       | brown  |            | 83.50   | semi-soft                         | 0.44    | very hard | 0.68    |                   |           |

**Conditions of sale:** Net prices per kilo are for the thicknesses from 11 to 60 mm.

Increase for preparation from density 0.69:

10 % for 100 kg.

Increase for thicknesses    3 to 5 mm: 25 %  
    6 to 10 mm: 15 %  
    61 to 100 mm: 10 %

## Polishing Cloth

These first quality cloths, Swiss-made, are available in different structures, for polishing and buffing.

Fastened disks versions and other dimensions are available on demand.

| Ref.  | Quality  | Type     | Price / Kg |
|-------|----------|----------|------------|
| 16520 | Standard | 210 / 24 | 51.50      |
| 16521 | TPB      | 200 / 24 | 90.40      |
| 16522 | Finitex  | 210 / 11 | 76.05      |



**Conditions of sale:** Net prices per kilo for the diameters from 210 to 260 and for the remainings from 6 to 25 mm.



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SWITZERLAND

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FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
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## Shellac Glue

This material is used for sticking small horology parts (screws, index, etc.)

Available in chips or sticks, it is heated up and liquefied for the application.

For the cleaning, its dissolving is possible in the heated up solution Coulyclean 100 ref. 16561.

Stocking temperature: max. 20°C

| Ref.  | Designation          | Packing       | Price  |
|-------|----------------------|---------------|--------|
| 16340 | Lemon blonde glitter | 1 kg          | 68.00  |
| 16341 | Sticks PP-LT GC      | 1 PCE ± 100 G | 37.65  |
| 16342 | Powder Lemon250      | 1 kg          | 141.00 |

Conditions of sale: Net price.



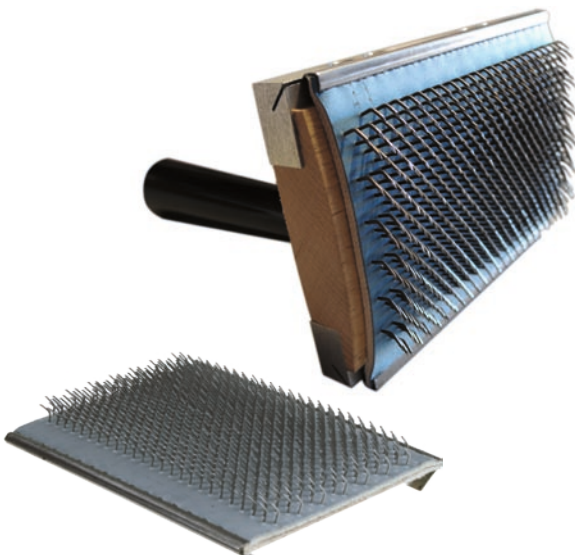
## Spray Glue 3M

These glues are ideal for fixing the abrasive disks on their lapping support and for many other uses.

3M 77 Glue can be used for sticking of light materials like plastic films, polystyrene, foam, glass fibre, felt, cork, cardboard and cloths.

3M 75 Glue, transparent and sensible to pressure, can be used for the temporary assembling of light materials.

| Réf.  | Désignation | Packing | Price |
|-------|-------------|---------|-------|
| 16535 | 3M 77       | 500 ML  | 33.65 |
| 16536 | 3M 75       | 500 ML  | 33.65 |



## Carding Comb

Carding comb 120 x 80 mm, in stainless steel, with two handles, for the cleaning and the buffing of the cloths. The comb is interchangeable. Its use is simple and is not dangerous thanks to its blocking system.

| Ref.  | Designation                       | Price  |
|-------|-----------------------------------|--------|
| 16530 | Base with brush                   | 113.00 |
| 16531 | stainless steel Comb without Base | 44.00  |

Conditions of sale: Net prices

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## 8. HORLOGY TOOLS

### Tweezers DUMONT

High precision.  
Swiss quality.  
Prices and prospectuses on demand.

| Ref.  | TYPE | MATERIAL | PRICE |
|-------|------|----------|-------|
| 00438 | 0    | steel    | 28.00 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00438 | 1    | stainless steel | 26.60 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00431 | 2    | steel           | 27.90 |
| 00439 |      | stainless steel | 26.60 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00432 | 3    | steel           | 29.00 |
| 00440 |      | stainless steel | 28.00 |



| Ref.  | TYPE | MATERIAL | PRICE |
|-------|------|----------|-------|
| 00433 | 3c   | steel    | 28.00 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00434 | 4    | steel           | 29.50 |
| 00441 |      | stainless steel | 27.40 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00435 | 5    | steel           | 30.80 |
| 00452 |      | stainless steel | 29.80 |



| Ref.  | TYPE | MATERIAL | PRICE |
|-------|------|----------|-------|
| 00436 | S    | steel    | 25.10 |



| Ref.  | TYPE | MATERIAL | PRICE |
|-------|------|----------|-------|
| 00437 | P    | steel    | 31.00 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00442 | 6    | stainless steel | 38.10 |



| Ref.  | TYPE | MATERIAL        | PRICE |
|-------|------|-----------------|-------|
| 00443 | 7    | stainless steel | 30.60 |



Conditions of sale: For DUMONT tweezers, the prices/piece are with 10 % discount per order of min. 12 identical pieces.



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AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : INFO@SCHURCH-ASCO.COM

WEB : WWW.SCHURCH-ASCO.COM



| Ref.  | TYPE        | SHAPE           | DIM. | MATERIAL | PRICE |
|-------|-------------|-----------------|------|----------|-------|
| 15246 | 159 Boxwood | fine tip        | 130  | Wood     | 41.10 |
| 15247 | 159 Boxwood | replacement kit |      |          | 24.40 |



| Ref.  | TYPE | SHAPE      | MATERIAL | PRICE |
|-------|------|------------|----------|-------|
| 00446 | 11   | strong tip | Nickel   | 25.80 |

| Ref.  | TYPE | SHAPE    | MATERIAL | PRICE |
|-------|------|----------|----------|-------|
| 00445 | 12   | fine tip | Nickel   | 25.40 |

Conditions of sale: For DUMONT tweezers, the prices/piece are with 10 % discount per order of min. 12 identical pieces.

High precision.  
Swiss quality.  
Prices and prospectuses on demand.

## Tweezers ASCO



| Ref.  | TYPE | SHAPE                        | DIM. | MATERIAL    | PRICE |
|-------|------|------------------------------|------|-------------|-------|
| 00320 | 0    | Geneva, fine,<br>for spirals | 120  | steel       | 28.10 |
| 00348 |      |                              |      | stainl. st. |       |
| 00399 |      |                              |      | antimax     |       |



| Ref.  | TYPE | SHAPE                      | DIM. | MATERIAL    | PRICE |
|-------|------|----------------------------|------|-------------|-------|
| 00321 | 00   | Geneva, thick,<br>flat end | 120  | steel       | 29.40 |
| 00349 |      |                            |      | stainl. st. |       |



| Ref.  | TYPE | SHAPE                  | DIM. | MATERIAL    | PRICE |
|-------|------|------------------------|------|-------------|-------|
| 00322 | 1    | strong,<br>workmanlike | 120  | steel       | 26.40 |
| 00350 |      |                        |      | stainl. st. |       |
| 00401 |      |                        |      | antimax     |       |



| Ref.  | TYPE | SHAPE                     | DIM. | MATERIAL    | PRICE |
|-------|------|---------------------------|------|-------------|-------|
| 00323 | 2    | strong,<br>sharp,<br>fine | 115  | steel       | 28.00 |
| 00351 |      |                           |      | stainl. st. |       |
| 00402 |      |                           |      | antimax     |       |



| Ref.  | TYPE | SHAPE                                | DIM. | MATERIAL    | PRICE |
|-------|------|--------------------------------------|------|-------------|-------|
| 00324 | 3    | fine,<br>workmanlike,<br>for spirals | 120  | steel       | 28.00 |
| 00352 |      |                                      |      | stainl. st. |       |
| 00403 |      |                                      |      | antimax     |       |



| Ref.  | TYPE | SHAPE   | DIM. | MATERIAL    | PRICE |
|-------|------|---|------|-------------|-------|
| 00325 | 3c   | fine, work-<br>manlike,<br>short<br>for spirals | 110  | steel       | 28.00 |
| 00353 |      |   |      | stainl. st. |       |
| 00404 |      |   |      | antimax     |       |

Conditions of sale: The prices of the tweezers ASCO are per unit. 15% discount for from 12 identical pieces on.





## Tweezers ASCO

High precision.  
Swiss quality.  
Prices and prospectuses on demand.

| Ref.  | TYPE | SHAPE                              | DIM. | MATERIAL    | PRICE |
|-------|------|------------------------------------|------|-------------|-------|
| 00326 | 4    | sharp,<br>very fine<br>for spirals | 110  | steel       | 30.50 |
| 00354 |      |                                    |      | stainl. st. |       |
| 00405 |      |                                    |      | antimax     |       |



| Ref.  | TYPE | SHAPE   | DIM. | MATERIAL    | PRICE |
|-------|------|---|------|-------------|-------|
| 00327 | 4a   | sharp,<br>very fine,<br>stronger<br>for spirals | 110  | steel       | 30.50 |
| 00355 |      |   |      | stainl. st. |       |
| 00406 |      |   |      | antimax     |       |



| Ref.  | TYPE | SHAPE                               | DIM. | MATERIAL    | PRICE |
|-------|------|-------------------------------------|------|-------------|-------|
| 00328 | 5    | sharp,<br>extra fine<br>for spirals | 110  | steel       | 33.85 |
| 00356 |      |                                     |      | stainl. st. |       |
| 00407 |      |                                     |      | antimax     |       |



| Ref.  | TYPE | SHAPE                | DIM. | MATERIAL    | PRICE |
|-------|------|----------------------|------|-------------|-------|
| 00329 | 6    | hook,<br>fine points | 115  | steel       | 37.05 |
| 00357 |      |                      |      | stainl. st. |       |
| 00408 |      |                      |      | antimax     |       |



| Réf.  | TYPE | SHAPE                  | DIM. | MATÉRIAU    | PRIX  |
|-------|------|------------------------|------|-------------|-------|
| 00330 | 7    | sickle,<br>fine points | 110  | steel       | 37.05 |
| 00358 |      |                        |      | stainl. st. |       |
| 00409 |      |                        |      | antimax     |       |



| Ref.  | TYPE | SHAPE                    | DIM. | MATERIAL    | PRICE |
|-------|------|--------------------------|------|-------------|-------|
| 00331 | 7a   | sickle,<br>strong points | 110  | steel       | 37.05 |
| 00359 |      |                          |      | stainl. st. |       |
| 00410 |      |                          |      | antimax     |       |



| Ref.  | TYPE | SHAPE                                     | DIM. | MATERIAL    | PRICE |
|-------|------|---|------|-------------|-------|
| 00332 | 8    | for the<br>straightening<br>of the pivots | 115  | steel       | 45.85 |
| 00360 |      |   |      | stainl. st. |       |



| Ref.  | TYPE | SHAPE   | DIM. | MATERIAL    | PRICE  |
|-------|------|---|------|-------------|--------|
| 00333 | 014  | for taking off<br>and holding<br>the seconds-<br>hand | 115  | steel       | 113.15 |
| 00361 |      |   |      | stainl. st. |        |



| Ref.  | TYPE | SHAPE  | DIM. | MATERIAL    | PRICE  |
|-------|------|--|------|-------------|--------|
| 00362 | 014a | for taking off<br>and holding<br>the seconds-<br>hand,<br>with guide | 115  | stainl. st. | 128.65 |



Conditions of sale: The prices of the tweezers ASCO are per unit. 15% discount for from 12 identical pieces on.



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## Tweezers ASCO



| Ref.  | TYPE | SHAPE                   | DIM. | MATERIAL    | PRICE |
|-------|------|-------------------------|------|-------------|-------|
| 00335 | 15a  | for cutting the spirals | 135  | steel       | 90.75 |
| 00363 |      |                         |      | stainl. st. | 92.45 |



| Ref.  | TYPE | SHAPE                              | DIM. | MATERIAL    | PRICE |
|-------|------|------------------------------------|------|-------------|-------|
| 00336 | 26   | very strong, sharp for fine stones | 135  | acier       | 26.40 |
| 00364 |      |                                    |      | stainl. st. |       |
| 00412 |      |                                    |      | antimax     | 31.10 |



| Ref.  | TYPE | SHAPE                              | DIM. | MATERIAL    | PRICE |
|-------|------|------------------------------------|------|-------------|-------|
| 00337 | 27   | strong, fine sharp for fine stones | 135  | steel       | 26.80 |
| 00365 |      |                                    |      | stainl. st. |       |
| 00413 |      |                                    |      | antimax     | 37.60 |



| Ref.  | TYPE | SHAPE        | DIM. | MATERIAL    | PRICE |
|-------|------|--------------|------|-------------|-------|
| 00338 | D    | strong, flat | 110  | steel       | 41.25 |
| 00366 |      |              |      | stainl. st. |       |



| Ref.  | TYPE | SHAPE  | DIM. | MATERIAL | PRICE |
|-------|------|--|------|----------|-------|
| 00398 | 50   | flat for the handling of the semi-conductors | 120  | antimax  | 31.80 |



| Ref.  | TYPE | SHAPE                                     | DIM. | MATERIAL    | PRICE |
|-------|------|---|------|-------------|-------|
| 00339 | F    | for the flattening of the hands, flat top | 120  | steel       | 39.30 |
| 00367 |      |   |      | stainl. st. |       |



| Ref.  | TYPE | SHAPE                     | DIM. | MATERIAL        | PRICE |
|-------|------|---------------------------|------|-----------------|-------|
| 00368 | H    | swallow-shaped beak, fine | 90   | stainless steel | 25.60 |



| Ref.  | TYPE | SHAPE                | DIM. | MATERIAL    | PRICE |
|-------|------|----------------------|------|-------------|-------|
| 00340 | P    | simple, strong point | 120  | acier       | 26.40 |
| 00369 |      |                      |      | stainl. st. |       |
| 00415 |      |                      |      | antimax     | 32.85 |



| Ref.  | TYPE | SHAPE              | DIM. | MATERIAL    | PRICE |
|-------|------|--------------------|------|-------------|-------|
| 00341 | S    | simple, fine point | 120  | steel       | 26.40 |
| 00370 |      |                    |      | stainl. st. |       |
| 00416 |      |                    |      | antimax     | 32.85 |

Conditions of sale: The prices of the tweezers ASCO are per unit. 15% discount for from 12 identical pieces on.



## Tweezers ASCO

High precision.

Swiss quality.

Prices and prospectuses on demand.

| Ref.  | TYPE | SHAPE                        | DIM. | MATERIAL    | PRICE |
|-------|------|------------------------------|------|-------------|-------|
| 00342 | SA   | standard,<br>strong<br>point | 120  | steel       | 26.40 |
| 00371 |      |                              |      | stainl. st. |       |
| 00417 |      |                              |      | antimax     | 31.05 |



| Ref.  | TYPE | SHAPE                   | DIM. | MATERIAL    | PRICE |
|-------|------|-------------------------|------|-------------|-------|
| 00343 | SB   | standard,<br>fine point | 120  | steel       | 26.40 |
| 00372 |      |                         |      | stainl. st. |       |
| 00418 |      |                         |      | antimax     | 32.85 |



| Ref.  | TYPE | SHAPE                                   | DIM. | MATERIAL    | PRICE |
|-------|------|---|------|-------------|-------|
| 00344 | SS   | sharp,<br>fine,<br>very long,<br>narrow | 0140 | steel       | 28.15 |
| 00373 |      |   |      | stainl. st. |       |
| 00419 |      |   |      | antimax     | 32.85 |



| Ref.  | TYPE | SHAPE      | DIM. | MATERIAL | PRICE |
|-------|------|------------|------|----------|-------|
| 00379 | S5   | Boley-way  | 130  | steel    | 24.40 |
| 00380 |      |            |      | brass    | 24.60 |
| 00381 |      |            |      | nickel   | 34.60 |
| 00319 | S5F  | fine point |      | brass    | 24.60 |



| Ref.  | TYPE | SHAPE     | DIM. | MATERIAL | PRICE |
|-------|------|-----------|------|----------|-------|
| 00382 | P5   | Boley-way | 130  | bronze   | 27.55 |
| 00334 | P5F  | Boley-way | 130  | bronze   | 27.95 |



| Ref.  | TYPE | SHAPE     | DIM. | MATERIAL | PRICE |
|-------|------|-----------|------|----------|-------|
| 00383 | P    | Boley-way | 130  | brass    | 24.60 |



| Ref.  | TYPE | SHAPE     | DIM. | MATERIAL    | PRICE |
|-------|------|-----------|------|-------------|-------|
| 00384 | AA   | Boley-way | 125  | stainl. st. | 16.55 |



| Ref.  | TYPE   | SHAPE         | DIM. | MATERIAL | PRICE |
|-------|--------|---------------|------|----------|-------|
| 00385 | C.V.D. | for jewellers | 160  |          | 47.35 |



| Ref.  | TYPE | SHAPE         | DIM. | MATERIAL | PRICE |
|-------|------|---------------|------|----------|-------|
| 00386 | XL   | for jewellers | 160  | Polimat  | 24.60 |



| Réf.  | TYPE | SHAPE         | DIM. | MATÉRIAU | PRIX  |
|-------|------|---------------|------|----------|-------|
| 00386 | XL   | for jewellers | 160  | Polimat  | 36.60 |



Conditions of sale: The prices of the tweezers ASCO are per unit. 15% discount for from 12 identical pieces on.



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

High precision.  
Swiss quality.  
Prices and prospectuses on demand.

## Tweezers ASCO



| Ref.  | TYPE | SHAPE         | DIM. | MATERIAL    | PRICE |
|-------|------|---------------|------|-------------|-------|
| 00388 | 615  | for jewellers | 150  | stainl. st. | 36.45 |



| Ref.  | TYPE | SHAPE  | DIM. | MATERIAL | PRICE |
|-------|------|--------|------|----------|-------|
| 00390 | 609  | Lerloy | 125  | plastic  | 6.40  |



| Ref.  | TYPE | SHAPE | DIM. | MATERIAL | PRICE |
|-------|------|-------|------|----------|-------|
| 00389 | 601  |       | 125  | plastic  | 1.40  |



| Ref.  | TYPE | SHAPE        | DIM. | MATERIAL | PRICE |
|-------|------|--------------|------|----------|-------|
| 00391 | 11   | strong point | 120  | nickel   | 32.65 |



| Ref.  | TYPE | SHAPE      | DIM. | MATERIAL | PRICE |
|-------|------|------------|------|----------|-------|
| 00392 | 12   | fine point | 120  | nickel   | 34.75 |



| Ref.  | TYPE | SHAPE                   | DIM. | MATERIAL                   | PRICE |
|-------|------|-------------------------|------|----------------------------|-------|
| 00393 | 1    | Epoxy electronic strong | 120  | Stainless Steel, Anti Acid | 22.60 |



| Ref.  | TYPE | SHAPE                 | DIM. | MATERIAL                   | PRICE |
|-------|------|-----------------------|------|----------------------------|-------|
| 00394 | 3    | Epoxy electronic fine | 120  | Stainless Steel, Anti Acid | 22.60 |
| 00400 | 3    |                       | 120  | brass                      | 22.80 |



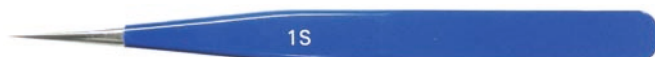
| Ref.  | TYPE | SHAPE                              | DIM. | MAT.                       | PRICE |
|-------|------|------------------------------------|------|----------------------------|-------|
| 00395 | 4    | Epoxy, electronic sharp, very fine | 110  | Stainless Steel, Anti Acid | 23.50 |



| Ref.  | TYPE | SHAPE                   | DIM. | MAT.                       | PRICE |
|-------|------|-------------------------|------|----------------------------|-------|
| 00396 | SS   | Epoxy, electronic, fine | 0140 | Stainless Steel, Anti Acid | 17.95 |



| Ref.  | TYPE | SHAPE                     | DIM. | MAT.               | PRICE |
|-------|------|---------------------------|------|--------------------|-------|
| 00397 | AA   | Epoxy, electronic, strong | 125  | hardened stainless | 17.05 |
| 00411 | 1    | Epoxy electronic strong   | 120  | hardened stainless | 16.40 |



Conditions of sale: The prices of the tweezers ASCO are per unit. 15% discount for from 12 identical pieces on.



## Tweezers MSA

Light tweezers with tips in black carbofibre for the markless handling of pieces. Rapid changing of the tips with the help of a pair of patented clips.

| Ref.  | TYPE     | SHAPE                    | DIM. | MAT.       | PRICE |
|-------|----------|--------------------------|------|------------|-------|
| 15230 | 12.711   | large tips, square, hard | 123  | carbofibre | 18.55 |
| 15237 | 12.711-A | pair of spare tips       |      | carbofibre | 3.95  |
| 15244 | 12.728   | pair of rapid clips      |      |            | 2.55  |



| Ref.  | TYPE     | SHAPE                     | DIM. | MAT.       | PRICE |
|-------|----------|---------------------------|------|------------|-------|
| 15231 | 12.712   | large tips, rounded, hard | 130  | carbofibre | 19.25 |
| 15238 | 12.712-A | pair of spare tips        |      | carbofibre | 3.95  |
| 15244 | 12.728   | pair of rapid clips       |      |            | 2.55  |



| Ref.  | TYPE     | SHAPE               | DIM. | MAT.       | PRICE |
|-------|----------|---------------------|------|------------|-------|
| 15232 | 12.713   | fine tips, hard     | 130  | carbofibre | 19.15 |
| 15239 | 12.713-A | pair of spare tips  |      | carbofibre | 3.95  |
| 15244 | 12.728   | pair of rapid clips |      |            | 2.55  |



| Ref.  | TYPE     | SHAPE                | DIM. | MAT.       | PRICE |
|-------|----------|----------------------|------|------------|-------|
| 15233 | 12.714   | very fine tips, hard | 130  | carbofibre | 19.15 |
| 15240 | 12.714-A | pair of spare tips   |      | carbofibre | 3.95  |
| 15244 | 12.728   | pair of rapid clips  |      |            | 2.55  |



| Ref.  | TYPE     | SHAPE               | DIM. | MAT.       | PRICE |
|-------|----------|---------------------|------|------------|-------|
| 15234 | 12.715   | curved tips, hard   | 120  | carbofibre | 18.55 |
| 15241 | 12.715-A | pair of spare tips  |      | carbofibre | 3.95  |
| 15244 | 12.728   | pair of rapid clips |      |            | 2.55  |



Conditions of sale: Prices of the tweezers MSA are meant per piece.

## Tweezers Regine

Regine tweezer made of 316 L STAINLESS STEEL with POLYAMIDE tip 66 Reinforced with CARBON FIBER.

ESD and clean-room, very good rigidity.

| Ref.  | TYPE      | SHAPE               | MATERIAL   | PRICE |
|-------|-----------|---------------------|------------|-------|
| 15192 | 2a-sa-cf  | flat round tips     | carbofibre | 31.80 |
| 15196 | 2a-cf-Tip | spare tip one piece | carbofibre | 4.50  |



| Ref.  | TYPE     | SHAPE               | MATERIAL   | PRICE |
|-------|----------|---------------------|------------|-------|
| 15193 | 5-sa-cf  | thin tips and hard  | carbofibre | 31.80 |
| 15194 | 5-cf-Tip | spare tip one piece | carbofibre | 4.50  |



Conditions of sale: The prices of the tweezers ASCO are per unit. 15% discount for from 12 identical pieces on.



## Cleaning Paste



### ASCO

This blue cleaning Paste is particularly convenient for the cleaning of horology and precision mechanics pieces as well as the cleaning of small tools like tweezers, screwdrivers, etc.

| Ref.  | LENGTH | WIDTH | THICKN. | PRICE |
|-------|--------|-------|---------|-------|
| 00488 | 340    | 270   | 10.5    | 63.00 |

Conditions of sale: Prices are meant per piece.  
Discount 10 % for 5 identical pieces.  
Discount 15 % for 10 identical pieces.

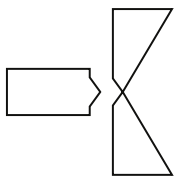
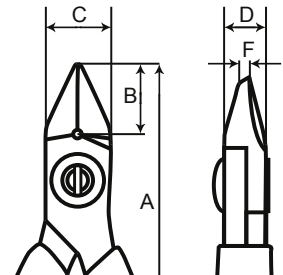
### A MORE EXTENDED RANGE.

The famous series 80, with its exceptional qualities, has got new models. You have now the choice between 8 different Plier. The jaws shape (accessibility) and the cutting capacity have kept their principal qualities.

## Cutting Plier

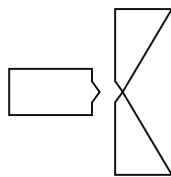
### LINSTROM

### SERIES 80



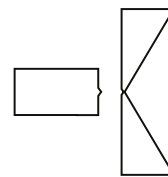
**MB**

Micro-Bevel  
Cutting



**F**

Flush  
Cutting

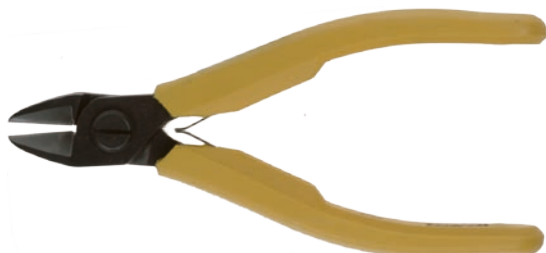


**UF**

Ultra Flush  
Cutting



| Ref.  | TYPE | Ø <sub>copper</sub> | A     | B    | C  | D | F   | CUTTING | PRICE |
|-------|------|---------------------|-------|------|----|---|-----|---------|-------|
| 00285 | 8140 | 0.2 - 1.25          | 110   | 10   | 10 | 6 | 0.8 | MB      | 70.40 |
| 00289 | 8150 | 0.3 - 1.6           | 112.5 | 12.5 | 10 | 6 | 0.8 | F       | 72.75 |
| 00291 | 8160 | 0.4 - 2.0           | 125   | 16   | 16 | 8 | 1.6 | MB      | 75.75 |



| Ref.  | TYPE | Ø <sub>copper</sub> | A   | B  | C  | D | F   | CUTTING | PRICE |
|-------|------|---------------------|-----|----|----|---|-----|---------|-------|
| 00286 | 8143 | 0.2 - 1.25          | 110 | 10 | 10 | 6 | 0.8 | MB      | 72.35 |
| 00287 | 8144 | 0.1 - 1.25          | 110 | 10 | 10 | 6 | 0.8 | F       | 74.05 |
| 00284 | 8145 | 0.1 - 1.0           | 110 | 10 | 10 | 6 | 0.8 | UF      | 81.25 |
| 00292 | 8163 | 0.4 - 2.0           | 125 | 16 | 16 | 8 | 1.6 | MB      | 81.65 |

Conditions of sale:  
Discount 10 % for 1 piece.  
Discount 15 % for 5 identical pieces.  
Discount 20 % for 10 identical pieces.



## Cutting Plier

LINSTROM

SERIES 80

| Ref.  | TYPE | Ø <sub>copper</sub> | A   | B  | C  | D | F   | CUTTING | PRICE |
|-------|------|---------------------|-----|----|----|---|-----|---------|-------|
| 00295 | 8146 | 0.2 - 1.0           | 110 | 10 | 10 | 6 | 0.8 | MB      | 75.50 |
| 00288 | 8148 | 0.1 - 0.8           | 110 | 10 | 10 | 6 | 0.8 | UF      | 86.20 |



| Ref.  | TYPE | Ø <sub>copper</sub> | A     | B    | C    | D | F   | CUTTING | PRICE |
|-------|------|---------------------|-------|------|------|---|-----|---------|-------|
| 00290 | 8156 | 0.3 - 1.25          | 112,5 | 12,5 | 12,5 | 6 | 1.0 | MB      | 79.95 |



SERIES SUPREME

| Ref.  | TYPE | Ø <sub>copper</sub> | A   | B | C | D | F | CUTTING | PRICE |
|-------|------|---------------------|-----|---|---|---|---|---------|-------|
| 00294 | 7190 | 0.35 - 1.25         | 109 | 9 | 9 | 6 | 1 | MB      | 75.40 |



## Cutting Plier

LINSTROM

SERIES SUPREME

| Ref.  | TYPE | Ø <sub>copper</sub> | A   | B | C    | D  | CUTTING | PRICE |
|-------|------|---------------------|-----|---|------|----|---------|-------|
| 00293 | 7291 | 0.35 - 1.25         | 108 | 8 | 10.5 | 15 | F       | 83.85 |



### Conditions of sale:

Discount 10 % for 1 piece.

Discount 15 % for 5 identical pieces.

Discount 20 % for 10 identical pieces



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



### Cutting Plier

**ASCO**

for the cutting of the balance-springs

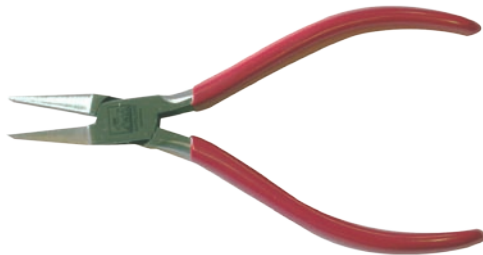
| Ref.  | TYPE | SHAPE       | DIM. | MATERIAL     | PRICE  |
|-------|------|-------------|------|--------------|--------|
| 00301 | 17   | tilted head | 110  | carbon steel | 167.60 |

Conditions of sale: Prices are meant per piece.  
Discount 15 % from 12 pieces.

### Flat nose Plier without cut

**ASCO NO 320**

with flat beak



| Ref.  | TYPE | SHAPE     | DIM. | MATERIAL     | PRICE |
|-------|------|-----------|------|--------------|-------|
| 00277 | 320  | Flat beak | 130  | carbon steel | 44.00 |

Conditions of sale: Prices are meant per piece.  
Discount 15 % from 12 pieces.

### Fingerstall ASCO-DIGITAL

LATEX, TYPE 302 LWR WITH TALC

SMOOTH SURFACE POWDER  
STANDARD : ASTM D412

**THE FIRST CHLORINE-FREE FINGERSTALL.  
NO MORE SURFACE OXIDATION DUE TO CHLORINE.**

Examining fingerstalls are essential for the delicate handling of pieces that do not tolerate the finger contact, but also to protect the fingers.

They are extensively used in: the horology industry, the assembly-line of dials - electronic - chemical and pharmaceutical industry - medicine. These fingerstalls are of excellent quality tested since many years. They are available in different sizes.






| Ref.  | SIZE                 | CIAN | PACKAGING                        | PRICE |
|-------|----------------------|------|----------------------------------|-------|
| 00507 | small                | HN3L | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | S 16.5               |      |                                  |       |
| 00508 | medium               | HM3L | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | M 18                 |      |                                  |       |
| 00509 | large                | HL3L | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | L 21                 |      |                                  |       |
| 00510 | extra large<br>XL 24 | HE3L | Box of 10 grosses<br>1440 pieces | 56.15 |

Conditions of sale: Net price per pack of 10 grosses of 1440 pieces.  
Discount of: 20% from 10 boxes in one size.  
30% from 20 boxes in one size.  
35% from 60 boxes in one size.





## Technical specifications Antistatic Fingers

| LEVEL  | DESCRIPTION  | LEVEL  | DESCRIPTION   | LEVEL  | DESCRIPTION  |
|--|--|--|---|--|--|
| Antistatic ASF   | The fingernail is said to be antistatic or ASF, because it ensures the comfort of users by avoiding small electric shocks. | Dissipator DIF - ESD   | The fingering is called dissipator or DIF or ESD, because it allows the protection of electronic installations.<br>(Disipator Fingercots) | Conductor ECF  | The fingerstock is called conductive or ECF because it is suitable for ATEX environments, with explosive risk and for ultra-sensitive electronic equipment.<br>(Electrically Conductor Fingercots) |
| <br>1X10 <sup>9</sup> RG<br>1X10 <sup>11</sup> Ohms |  | <br>1X10 <sup>6</sup> RG 1X10 <sup>12</sup><br>Ohms |   | <br>> 1X10 <sup>8</sup> Ohms |  |

### Fingerstall ASCO-DIGITAL LATEX TYP 53LP 10<sup>6</sup> ~ 10<sup>8</sup> OHMS/SQ ANSI/ESD STM 11/+13 STANDARD : ASTM 257



The fingertips called «De visitage» are ideal for handling delicate parts. But also for the handling of parts likely to be conductive because they are ESD => Antistatic but conductive. More efficient than the standard ones, ideal for electronics. Suitable for ATEX environment.

| REF.  | SIZE        | CIAN  | PACKAGING                        | PRICE |
|-------|-------------|-------|----------------------------------|-------|
| 00460 | small       | 5N3LP | Box of 10 grosses<br>1440 pieces | 72.00 |
| 00461 | medium      | 5M3LP | Box of 10 grosses<br>1440 pieces | 72.00 |
| 00462 | large       | 5L3LP | Box of 10 grosses<br>1440 pieces | 72.00 |
| 00463 | extra large | 5E3LP | Box of 10 grosses<br>1440 pieces | 72.00 |



### Fingerstall ASCO-DIGITAL LATEX, TYPE C3LP WITHOUT TALC SMOOTH SURFACE CLEAN ROOM ANTISTATIC 10<sup>10</sup> ~ 10<sup>12</sup> OHMS/SQ STANDARD : ASTM-D412-D257



Examining fingerstalls are essential for the delicate handling of pieces that do not tolerate the finger contact, but also to protect the fingers.

They are extensively used in: the horology industry, the assembly-line of dials - electronic - chemical and pharmaceutical industry - medicine.

These fingerstalls are of excellent quality tested since many years. They are available in different sizes.

| Ref.  | SIZE        | CIAN  | PACKAGING                        | PRICE |
|-------|-------------|-------|----------------------------------|-------|
| 00491 | small       | CN3LP | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | S 16.5      |       |                                  |       |
| 00492 | medium      | CM3LP | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | M 18        |       |                                  |       |
| 00493 | large       | CL3LP | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | L 21        |       |                                  |       |
| 00494 | extra large | CE3LP | Box of 10 grosses<br>1440 pieces | 56.15 |
|       | XL 24       |       |                                  |       |



Conditions of sale: Net price per pack of 10 grosses of 1440 pieces.

Discount of: 20% from 10 boxes in one size.

30% from 20 boxes in one size.

35% from 60 boxes in one size.



## Fingerstall DIGITAL

LATEX, TYPE CN WITHOUT TALC

CLEAN ROOM ANTISTATIC WITH A ROUGH SURFACE



Examining fingerstalls are essential for the delicate handling of pieces that do not tolerate the finger contact, but also to protect the fingers.

They are extensively used in: the horology industry, the assembly-line of dials - electronic - chemical and pharmaceutical industry - medicine.

These fingerstalls are of excellent quality tested since many years. They are available in different sizes.



| Ref.  | SIZE        | CIAN | PACKAGING                      | PRICE |
|-------|-------------|------|--------------------------------|-------|
| 01487 | small       | 122  | Box of 5 grosses<br>720 pieces | 28.60 |
| 01488 | medium      | 124  | Box of 5 grosses<br>720 pieces | 28.60 |
| 01489 | large       | 126  | Box of 5 grosses<br>720 pieces | 28.60 |
| 01490 | extra large | 128  | Box of 5 grosses<br>720 pieces | 28.60 |

**Conditions of sale:** Net price per pack of 5 grosses of 720 pieces. Discount of:  
20% from 20 boxes in one size.  
30% from 40 boxes in one size.

## Fingerstall ASCO-DIGITAL

NITRILE, TYPE 100 LNR WITHOUT TALC

CLEAN ROOM / ANTISTATIC 10 /+11 OHMS/SQ

STANDARD : ASTM D 3772 / D42 / D257



Characteristics: no latex allergy, very few extractable ions, without powder, antistatic.

Advantages: it does not contain allergens, it assures a low quantity of particles. It can be worn in clean rooms.

Less contamination due to reactive ions, very thin, increased tactile feeling. Preventive measures at the working place.

Bulletin for informations Suva PRO reference number: 2869/33F

Tel : 041 419 51 11

Internet : [www.suva.ch](http://www.suva.ch)



| Ref.  | SIZE        | CIAN        | PACKAGING                        | PRICE  |
|-------|-------------|-------------|----------------------------------|--------|
| 00421 | small       | RSNF<br>101 | Box of 10 grosses<br>1440 pieces | 108.00 |
| 00422 | medium      | RSNF<br>102 | Box of 10 grosses<br>1440 pieces | 108.00 |
| 00423 | large       | RSNF<br>103 | Box of 10 grosses<br>1440 pieces | 108.00 |
| 00424 | extra large | RSNF<br>104 | Box of 10 grosses<br>1440 pieces | 108.00 |

**Conditions of sale:** Net price per pack of 10 grosses of 1440 pieces.  
Discount of: 20% from 10 boxes in one size.  
30% from 20 boxes in one size.  
35% from 60 boxes in one size.



## Micro fiber pads

Discount 20 % for 5x or 30% for 10 x 100 identical pieces.

| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total |  | Pack.   | Price |
|-------|---------|------------|----------------|-------------|--------------|------------------|--------------|---|---------|-------|
| 02335 | SW-826A | 3.2 mm     | 1.5mm          | 10mm        | 2.2mm        | 2.2mm            | 70.3mm       |  | 100 Pcs | 18.50 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total |  | Pack.   | Price |
| 02336 | SW-826B | 3.2 mm     | 1.5mm          | 10mm        | 2.2mm        | 2.2mm            | 70.3mm       |  | 100 Pcs | 18.50 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging   | Price   |       |
| 02337 | SW-837B | 3.2 mm     | 2.8mm          | 9.5mm       | 2.8mm        | 2.8mm            | 72mm         | 100 Pcs   | 19.50   |       |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging   | Price   |       |
| 02338 | SW-836B | 3.7mm      | 3.2mm          | 12mm        | 2.8mm        | 2.8mm            | 72mm         | 100 Pcs   | 19.50   |       |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging   | Price   |       |
| 02339 | SW-847B | 6.8mm      | 2.8mm          | 17mm        | 3.2mm        | 3.2mm            | 100mm        | 100 Pcs   | 22.00   |       |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging   | Price   |       |
| 02340 | SW-857B | 6.8mm      | 2.8mm          | 17mm        | 3.2mm        | 3.2mm            | 160mm        | 100 Pcs   | 30.00   |       |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging   | Price   |       |
| 02341 | SW-856B | 3.2mm      | 2.5mm          | 12mm        | 3.2mm        | 3.2mm            | 140mm        | 100 Pcs   | 30.00   |       |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging   | Price   |       |
| 02342 | SW-864B | 14.5mm     | 3.5mm          | 25mm        | 7.3mm        | 2.6mm            | 125.6mm      | 100 Pcs   | 34.00   |       |

## Polyurethane foam pads

Discount 20 % for 5x or 30% for 10 x 100 identical pieces.

| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging | Price |
|-------|---------|------------|----------------|-------------|--------------|------------------|--------------|-----------|-------|
| 02345 | SW-822C | 3.2mm      | 3.2mm          | 11.5mm      | 2.6mm        | 2.6mm            | 73mm         | 100 Pcs   | 14.00 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging | Price |
| 02346 | SW-832D | 3.4mm      | 3.4mm          | 13mm        | 2.3mm        | 2.3mm            | 65mm         | 100 Pcs   | 12.70 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging | Price |
| 02347 | SW-826C | 3.2mm      | 2mm            | 10mm        | 2.2mm        | 2.2mm            | 70.3mm       | 100 Pcs   | 11.00 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging | Price |
| 02348 | SW-836D | 3.6mm      | 3.2mm          | 12mm        | 2.8mm        | 2.8mm            | 72mm         | 100 Pcs   | 11.00 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging | Price |
| 02349 | SW-844C | 5mm        | 3.6mm          | 13mm        | 4mm          | 4mm              | 101mm        | 100 Pcs   | 20.00 |
| Ref.  | Model   | Width Head | Thickness Head | head length | Width Handle | Thickness Handle | Length Total | Packaging | Price |
| 02350 | SW-847C | 6.8mm      | 2.8mm          | 17mm        | 3.2mm        | 3.2mm            | 100mm        | 100 Pcs   | 21.00 |



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Fingerstall NAPPA

STRETCH MATERIAL, BEEF LEATHER

Fingerstall for thermal and mechanical protection.  
Protects from rubbing and heat.



| Ref.  | SIZE       | TYPE | PRICE |
|-------|------------|------|-------|
| 01496 | small      | 1    | 3.25  |
| 01497 | medium     | 2    | 3.25  |
| 01498 | large      | 3    | 3.25  |
| 01494 | very large | 4    | 4.95  |

Conditions of sale: Net prices.

## Fingerstall Supplier

FOR 1440 Fingerstall size P/M/G/TG

PLEXIGLASS 100 % ANTI UV

Fingerstall Supplier for 1440 pieces for each box that is 10 grosses, for all sizes.



| Ref.  | SIZE      | TYPE | DIMENSION       | PRICE  |
|-------|-----------|------|-----------------|--------|
| 00533 | 4 Modules | Po   | 420 x 225 x 310 | 287.00 |

Conditions of sale: Net prices.

## Liquid Gloves

DERM'A GANTS



| Ref.  | Designation                     | Price |
|-------|---------------------------------|-------|
| 00616 | Wall dispenser 500 ml           | 49.00 |
| 00617 | Refil for wall dispenser 500 ml | 49.00 |
| 00619 | Dispenser 200 ml                | 39.50 |

Conditions of sale: Net prices.

DERM'A GANTS is a skin-protecting product unique and very efficient. The sense of touch and the sensibility keep unchanged, the skin breathes and perspires normally. This foam is water- and soap-proof. A knob of foam is enough to coat both hands and protects during 4 hours.

DERM'A GANT is hypoallergenic and non toxic. It protects the hands from the skin-irritations due to contact allergies without drying the skin. It is eliminated after 7 hours through sweating and can be used daily without problems. Fields it can be used in: Mechanic and car industry - Chemistry and oil industry - Laboratories - Aviation companies - Printing - Photo-engraving - Photo-composition - Photography laboratories - Agriculture - Housework - Food industry - Cleaning - Civil engineering ...



## Gloves ASCO

Disposable gloves SEMPERGUARD Powder free ambidextrous nitrile, blue, 0.13 mm layer thickness, non-powdered, rolled edge, length 24 cm, size S/6-7, M/7-8, L/8-9 in 100 parts distributors cartons (sizes XL / 9-10, 90 parts).

EN 420 | EN 374

Uses: Disposable gloves without latex allergens irritants resistant to abrasion and punctures, as well as fats, oils and many chemicals (see Table 54-55). They are permitted for the food industry and for medical purposes as Category 1 (including blood contact, but not for operations). Nitrile contains no phthalates, plasticizers and substances causing allergies.

## Gloves ASCO

100 % pure antistatic nitrile (ESD) without plastic, phthalate esters, silicone, oil or starch, extremely fine (thickness: 0.08 mm), length: 230 mm. Good resistance to chemical products and to oils, extremely comfortable to wear. The packaging is certified **cleanroom** according to norm ASTM D6319 / D412. One set is 100 pieces.

ESD (Ohm/sq) inferior 10/x10.

ASTM D257 / FTM std 101C

Specification test CLEANROOM : unit ug/cm2.

Particle 0,5 - 20 mü 1200

Sulfate 0.05 / Phosphate 0.01 / Nitrate 0.30 / Bromide 0.05 / Nitrite 0.01 / Chloride 0.30 / Fluoride 0.01 / Non volatile water 3.00

**Conditions of sale: Discount 20 % per set.**

## Gloves ASCO Best

These gloves are made of light blue extra fine nitrile latex (thickness: 0.11 mm). They are internally slightly powdered with vegetable starch and they are extremely resistant to tearing.

Their resistance to tensile stress is 150 kg/cm2. They are also particularly resistant to chemical products and oils and they are very comfortable to wear. One set is 100 pieces.

**Conditions of sale: Net prices.**

## Gloves ASCO

100% pure latex, without plastic, phthalate esters, silicone, oil or starch, extremely fine (thickness: 0.08 mm), length: 230 mm. Good resistance to chemical products and to oils, extremely comfortable to wear. The packaging is certified **cleanroom** according to norm ASTM D3578 / D412. One set is 100 pieces.

Specification test CLEANROOM : IEST-RP-CC005.2 unit ug/cm2.

Particle 0,5 - 20 mü 1200

Sulphate 1.00 / Phosphate 0.03 / Nitrate 1.00 / Bromide 0.03 / Nitrite 0.03 / Chloride 2.00 / Fluoride 0.03 / Non volatile water 3.0

**Conditions of sale: Discount 20 % per set.**

January 2023

## ECO XPERT NITRILE



| Ref.  | SIZE        | PRICE |
|-------|-------------|-------|
| 08725 | small       | 28.50 |
| 08726 | medium      | 28.50 |
| 08727 | large       | 28.50 |
| 08728 | extra large | 28.50 |

## NITRILSTAT CLASS 100



| Ref.  | SIZE        | PRICE |
|-------|-------------|-------|
| 08720 | small       | 48.20 |
| 08721 | medium      | 48.20 |
| 08722 | large       | 48.20 |
| 08723 | extra large | 48.20 |

## NITRILE



| Ref.  | SIZE                        | PRICE |
|-------|-----------------------------|-------|
| 00464 | small - 6 / 7               | 27.40 |
| 00465 | Without talc medium - 7 / 8 | 27.40 |
| 00467 | extra large - 9 / 10        | 27.40 |

## LATEX RS 100 CLASSE 100



| Ref.  | SIZE        | PRICE |
|-------|-------------|-------|
| 08730 | small       | 45.85 |
| 08731 | medium      | 45.85 |
| 08732 | large       | 45.85 |
| 08733 | extra large | 45.85 |



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AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## Gloves ASCO

### MICROFIBRE

80% polyester and 20% nylon, white colour, they are recommended for the cleaning of precious metals, precious stones, dials, glasses for the horology industry and jewellery as well as the optics. They can be washed at 40° C.

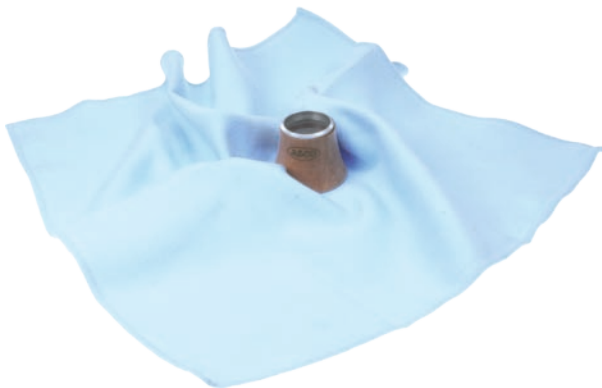
| Ref.  | SIZE           | PRICE |
|-------|----------------|-------|
| 08699 | extra small 22 | 16.80 |
| 08700 | small 26       | 16.80 |
| 08701 | medium 28      | 16.80 |

Conditions of sale: Price per pair.  
Discount 10 % per order of 10 pairs.  
Discount 15 % per order of 50 pairs.  
Discount 20 % per order of 100 pairs.

## Napkin ASCO

### MICROFIBRE & MICROFIBRE PRINT EDITION

80% polyester and 20% nylon, blue color, it is recommended for the cleaning of precious metals, precious stones, dials, glasses for the horology industry and jewellery as well as the optics. It can be washed at 40° C.



| Ref.  | SIZE         | PRICE |
|-------|--------------|-------|
| 08710 | 250 x 250 mm | 7.30  |
| 08711 | 300 x 300 mm | 9.50  |



| Ref.  | SIZE                       | PRICE |
|-------|----------------------------|-------|
| 08707 | Print Edition 180 x 180 mm | 1.35  |
| 08708 | Print Edition 250 x 250 mm | 3.05  |
| 08709 | Print Edition 280 x 280 mm | 6.40  |

Conditions of sale: Discount 10% | 15% | 20% per order of 30 | 60 | 90 identical pieces

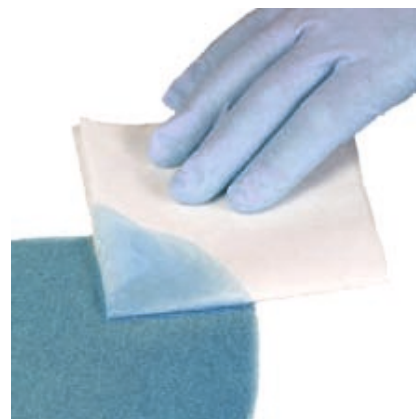


## WIPER CLEAN-ROOM

The wiper squeaky clean - room (Cleaning for white room) is established by a non-woven mixture of 55% de cellulose and of 45 % of polyester.

This composite substratum combines the strongly absorbent properties of a natural fiber with the resistance of a synthetic fiber..

- LOW IDEAL LEVEL OF RESIDUES OF DUSTS
- FOR SOFT SURFACES
- DOES NOT CONTAIN CHEMICAL SOCIABLE DISPOSITIONS
- STRONG CAPACITY OF ABSORPTION AND RESISTANCE IN THE LOW ABRASION
- CHEMICALLY COMPATIBLE WITH THE COMMON CLEANERS AND THE SOLUTIONS OF DISINFECTIONS
- SEVERAL SIZES TO ADAPT ITSELF TO EVERY TYPE OF APPLICATION.



| Réf.  | Packing unit      | CM      | INCH | PRICE |
|-------|-------------------|---------|------|-------|
| 02332 | Pack of 1200 pces | 10 x 10 | 4    | 54.-  |
| 02333 | Pack of 300 pces  | 15 x 15 | 6    | 29.-  |
| 02334 | Pack of 300 pces  | 20 x 20 | 7    | 44.-  |

Conditions: 10% by 5 identical packages

## NAPKIN CHAMOI

### ASTIC-BRILLE

100% pure cotton, specially impregnated. These towels are non-toxic, non-allergic, biodegradable, ecological and acid-free.

| Ref.  | DESIGNATION | DIMENSION | PRICE |
|-------|-------------|-----------|-------|
| 16380 | ABM2 double | 300 x 200 | 6.20  |

1 ASTIC-BRILLE Chamoisine to clean jewelry Gold, Silver, Silver Metal, etc.

1 Chamoisine **not impregnated** to polish and shine.

ADVANTAGES: with these 2 chamoisinesa sewed together, you clean the jewels:

**WITHOUT DIRTYING THE HANDS OR LET OF TRACES OF FINGER ON JEWELS.**

| Ref.  | DESIGNATION | DIMENSION | PRICE |
|-------|-------------|-----------|-------|
| 16381 | ABS         | 380 x 340 | 7.40  |

1 ASTIC-BRILLE Chamoisine to clean and polish your objects in Gold, Silver, Silver Metal, etc. Protects from oxidation. Do not wash. Allergenic.

| Ref.  | DESIGNATION | DIMENSION | PRICE |
|-------|-------------|-----------|-------|
| 16382 | ABG         | 380 x 450 | 9.40  |

1 ASTIC-BRILLE Chamoisine Gold - Silver. To clean and polish your items in Gold, Silver, Silver Metal, etc. Protects from oxidation. Do not wash. Allergenic.

Large format.

October 2023

Conditions of sale:

Discount 10% per order of 30 identical pieces

Discount 15% per order of 60 identical pieces

Discount 20% per order of 90 identical pieces

Horology 205





# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## ASCO Screwdriver

Set of 12 pieces, stainless steel

Set ASCO of 12 screwdrivers for watchmakers in stainless steel on anti-skid rotary base, from 0.60 to 3 mm with spare bits. All bearings are ball bearings and the shape of the bits are shown here.

| Ref.  | Packaging                                | Spare bits | Price  |
|-------|--|------------|--------|
| 16210 | 12 screwdrivers with base and spare bits | 40         | 224.00 |



## ASCO Screwdriver

stainless steel, spares for set

Screwdriver for watchmakers ASCO in stainless steel, bearing, with spare bits.



| Ref.  | Bit width | Spare bits | Price |
|-------|-----------|------------|-------|
| 16211 | 0.60      | 4          | 14.70 |
| 16212 | 0.70      | 4          | 14.70 |
| 16213 | 0.80      | 4          | 14.70 |
| 16214 | 0.90      | 4          | 14.70 |
| 16215 | 1.00      | 4          | 14.70 |
| 16216 | 1.20      | 4          | 14.70 |
| 16217 | 1.40      | 4          | 14.70 |
| 16218 | 1.60      | 3          | 15.35 |
| 16219 | 1.80      | 3          | 15.35 |
| 16220 | 2.00      | 2          | 17.35 |
| 16221 | 2.50      | 2          | 17.35 |
| 16222 | 3.00      | 2          | 17.35 |

Conditions of sale: Net prices.

206 Horology

August 2018





## ASCO Screwdriver

Set of 12 pieces, stainless steel

Set ASCO of 12 screwdrivers for watchmakers in stainless steel on anti-skid rotary base from 0.60 to 3 mm with spare bits. All bearings are ball bearings and the shape of the bits are shown here.

| Ref.  | Packaging                                | Spare bits | Price  |
|-------|--|------------|--------|
| 16480 | 12 screwdrivers with base and spare bits | 21         | 257.00 |



## ASCO Screwdriver

stainless steel, spares for set

Screwdriver for watchmakers ASCO in stainless steel, ball bearing, with spare bits.

| Ref.  | Bit width | Spare bits | Price |
|-------|-----------|------------|-------|
| 16481 | 0.60      | 2          | 23.75 |
| 16482 | 0.70      | 2          | 23.75 |
| 16483 | 0.80      | 2          | 23.75 |
| 16484 | 0.90      | 2          | 23.75 |
| 16485 | 1.00      | 2          | 23.75 |
| 16486 | 1.20      | 2          | 23.75 |
| 16487 | 1.40      | 2          | 23.75 |
| 16488 | 1.60      | 2          | 24.90 |
| 16489 | 1.80      | 2          | 24.90 |
| 16490 | 2.00      | 1          | 20.70 |
| 16491 | 2.50      | 1          | 22.50 |
| 16492 | 3.00      | 1          | 22.50 |



Conditions of sale: Net prices.

December 2020

Horology 207



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Big crosshaped screwdriver

**IDEAL FOR HIGH TORQUE**



Big ball bearing screwdriver for bracelet and others high torque operations.

| Ref.  | DIAMETER | BLADE | PRICE |
|-------|----------|-------|-------|
| 17239 | 17       | 1.60  | 51.00 |
| 17240 | 17       | 1.80  | 51.00 |
| 17241 | 17       | 2.00  | 51.00 |
| 17242 | 17       | 2.50  | 51.00 |
| 17243 | 17       | 3.00  | 51.00 |

Conditions of sale: Net prices.

## Bit 1/4 inch

**6 pans, inox, for screwdriver**

For 6 sides hand or machine screwdriver.

Others shapes available on request.



| Ref.  | DIAMETER | PRICE |
|-------|----------|-------|
| 17228 | 0.60     | 9.60  |
| 17229 | 0.70     | 9.60  |
| 17230 | 0.80     | 9.60  |
| 17231 | 0.90     | 9.60  |
| 17232 | 1.00     | 9.60  |
| 17233 | 1.20     | 9.60  |
| 17234 | 1.40     | 9.60  |
| 17235 | 1.50     | 9.60  |
| 17236 | 1.60     | 9.60  |
| 17237 | 1.80     | 9.60  |
| 17238 | 2.00     | 9.60  |

Conditions of sale: Net prices.

## Jewellery Saw

**ESCARGOT OR**

**Special Offer**



| Ref.  | TYPE | PRICE/144P |
|-------|------|------------|
| 00477 | 0    | 22.65      |
| 00478 | 1    | 22.65      |
| 00479 | 2    | 22.65      |
| 00480 | 3    | 22.65      |
| 00481 | 4    | 22.65      |
| 00476 | 2/0  | 24.70      |
| 00475 | 3/0  | 27.00      |
| 00482 | 4/0  | 22.65      |
| 00483 | 5/0  | 32.10      |
| 00484 | 6/0  | 35.50      |
| 00485 | 7/0  | 30.40      |

Conditions of sale: Prices per gross (144 pieces), Discount 10%.



## 9. LOUPES

### Magnifying Loupe ASCO

for Watchmaker

#### TYPE H

Black unbreakable frame, interior matt. Duralumin ring screwed in. Blushed 25 mm diameter lens, best optic.

| Ref.  | Value | Magnification | Price |
|-------|-------|---------------|-------|
| 00160 | 1     | 10 x          | 15.20 |
| 00161 | 1 1/2 | 6.5 x         | 15.20 |
| 00162 | 2     | 5 x           | 15.20 |
| 00163 | 2 1/2 | 4 x           | 15.20 |
| 00164 | 3     | 3.5 x         | 15.20 |
| 00165 | 3 1/2 | 3 x           | 15.20 |
| 00166 | 4     | 2.5 x         | 15.20 |



#### TYPE H2 APLANATIC

Black unbreakable frame, interior matt. Duralumin ring screwed in. Double 25 mm diameter aplanatic convex lens, best optic.

| Ref.  | Magnification | Price |
|-------|---------------|-------|
| 00174 | 10 x          | 28.00 |
| 00175 | 14 x          | 39.00 |



#### TYPE C2 APLANATIC

Black unbreakable frame, interior matt. Duralumin ring. Double blushed 14 mm diameter aplanatic convex lens. Monoblock lens.

| Ref.  | Magnification | Price  |
|-------|---------------|--------|
| 00177 | 10 x          | 140.00 |
| 00178 | 12 x          | 140.00 |
| 00179 | 16 x          | 140.00 |
| 00180 | 20 x          | 140.00 |



#### TYPE C3 ACHROMATIC

Black unbreakable frame, interior matt. Duralumin ring. Monoblock lens. Corrected system with 3 very luminous blushed lens, with large depth of field.

| Ref.  | Ø Lens | Magnification | Price  |
|-------|--------|---------------|--------|
| 00181 | 14     | 10 x          | 234.00 |
| 00182 | 14     | 12 x          | 234.00 |
| 00183 | 14     | 16 x          | 234.00 |
| 00184 | 14     | 20 x          | 234.00 |
| 00185 | 12     | 25 x          | 264.00 |



Conditions of sale: Discount 10 % for 10 identical pieces.

September 2023

Magnifying Glasses 209



# Schurch Asco SA

**ASCO**

*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

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## Magnifying Loupe ASCO

for Watchmaker

TYPE ALUMINIUM



25 mm diameter biconvex bluish lens.

Frame: blue coated steel

Ring: coated steel



| Ref.  | Value | Magnifying | Color | Price |
|-------|-------|------------|-------|-------|
| 00468 | 1     | 10 x       | Green | 32.50 |

| Ref.  | Value | Magnifying | Color | Price |
|-------|-------|------------|-------|-------|
| 00469 | 1 1/2 | 6.5 x      | Blue  | 32.50 |

| Ref.  | Value | Magnifying | Color  | Price |
|-------|-------|------------|--------|-------|
| 00470 | 2     | 5 x        | Yellow | 32.50 |

| Ref.  | Value | Magnifying | Color  | Price |
|-------|-------|------------|--------|-------|
| 00471 | 2 1/2 | 4 x        | Copper | 32.50 |

| Ref.  | Value | Magnifying | Color  | Price |
|-------|-------|------------|--------|-------|
| 00472 | 3     | 3.5 x      | Purple | 32.50 |

| Ref.  | Value | Magnifying | Color | Price |
|-------|-------|------------|-------|-------|
| 00473 | 3 1/2 | 3 x        | Black | 32.50 |

| Ref.  | Value | Magnifying | Color | Price |
|-------|-------|------------|-------|-------|
| 00474 | 4     | 2.5 x      | Alu   | 32.50 |

Conditions of sale: Discount 10 % for 10 identical pieces.

**210 Magnifying Glasses**

June 2020



## Horology magnifying Loupe ASCO

### TYPE 1806 A 30

Large field of vision, 30 mm diameter lens, black unbreakable frame, ventilation hole.

| Ref.  | Value | Magnification | Price |
|-------|-------|---------------|-------|
| 00193 | 1     | 10 x          | 22.90 |
| 00190 | 1 1/2 | 7 x           | 19.90 |
| 00191 | 2     | 5 x           | 17.30 |
| 00192 | 2 1/2 | 4 x           | 16.60 |



Conditions de vente : Remise de 10 % pour 10 pièces identiques.

## Measuring magnifying Loupe

### TYPE F+C

Inclined magnifying glass with achromatic system of three corrected lenses. 15 mm scale divided in 0,1 mm. Delivered in a case.

| Ref.  | Designation | Spécification     | Price  |
|-------|-------------|-------------------|--------|
| 00241 | loupe Ø 22  | Magnification 8 x | 197.00 |
| 00248 | reticule    | spare             | 86.00  |



Conditions of sale: Net prices.

## Centering magnifying Loupe ASCO

### SWISS MADE ALUMINIUM

Lens 14 mm diameter. Frame of black coated steel. Ring in coated ring (colour depends on the magnification).

| Ref.  | Colour | Magnification | Price  |
|-------|--------|---------------|--------|
| 00964 | Yellow | 5 x           | 105.00 |
| 00965 | Blue   | 6 x           | 105.00 |
| 00966 | Steel  | 8 x           | 105.00 |
| 00967 | Green  | 10 x          | 105.00 |



Conditions of sale: Discount 10 % for 10 identical pieces.

## Magnifying Loupe-holder

### TYPE 5461

Made of a stainless steel wire, fits to every magnifying glass.

| Ref.  | Designation             | Price |
|-------|-------------------------|-------|
| 00247 | Magnifying glass-holder | 3.95  |



Conditions of sale: Net prices.

September 2023

Magnifying Glasses 211



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EMAIL : INFO@SCHURCH-ASCO.COM

WEB : WWW.SCHURCH-ASCO.COM



## Magnifying Loupe ASCO for Engraver ø 40mm

**TYPE ALUMINIUM**

Aluminum magnifying glass for engraver, biconvex lens, blue mineral glass, Ø 38 mm + colored aluminum ring.

| Ref.  | Diameter | Value | Magnification | Color  | Price |
|-------|----------|-------|---------------|--------|-------|
| 00171 | 40 mm    | 2     | 5 x           | Yellow | 69.00 |
| 00172 | 40 mm    | 2 1/2 | 4 x           | Bronze | 69.00 |

Conditions of sale: Discount 10 % for 10 identical pieces.

## Microscope Pen

Microscope pen with case.



Conditions of sale: Net prices.

| Ref.  | Magnification                   | Price |
|-------|---------------------------------|-------|
| 17377 | 50 x                            | 71.30 |
| 17378 | Without battery 60 - 100 x LED  | 14.50 |
| 17379 | Without battery 100 x           | 14.50 |
| 17374 | Without battery 200 - 240 x LED | 33.00 |

## Clip magnifying Loupe

Clip magnifying glass for spectacles wearers. It can be easily adapted to any frame type.

The set includes magnifying glasses 1.75 x, 2.35 x, 2.75 x, interchangeable. The separated magnifying Loupe are delivered with the fixation clip.



Conditions of sale:  
Discount 10 % for 10 pieces.

| Ref.  | Magnification                     | Working distance | Price  |
|-------|-----------------------------------|------------------|--------|
| 17384 | Full set 2.00 x / 2.50 x / 3.00 x |                  | 100.40 |
| 17385 | 1.75 x 3D                         | 250              | 77.00  |
| 17386 | 2.35 x 5.5D                       | 180              | 77.00  |
| 17387 | 2.75 x 7D                         | 125              | 77.00  |

## Clip-Loupe ASCO

**ALWAYS READY**

Blouse, shirt or pants fit in a jiffy and never leave you.

Simple and inexpensive, plastic oil and aggressive agents resistant.

Designed to ASCO loupe plastic and ALU.



Conditions of sale: Net prices.

| Réf.  | Packing                              | Price |
|-------|--------------------------------------|-------|
| 00240 | 1 Clip-Loupe in its transparent Case | 17.90 |



## Wooden magnifying Loupe

ASCO

PEAR TREE WOOD

Bluished 25 mm diameter lens.

| Ref.  | Value | Magnifying | Price |
|-------|-------|------------|-------|
| 00198 | 2½    | 4 x        | 47.00 |



Conditions of sale: Net prices.

## Removable magnifying Loupe ARY

This type of lens can be assembled on any type of Loupe without scratching or unbalancing them. Their construction is very meticulous and their overall dimension is reduced. They can be adjusted, are tough and extra-light.

MINI, standard and MAXI types fit respectively to the frames carrying Loupe until 35 mm diameters, until 40 mm, and larger..



| Value | Magnification | Magnification width additional |
|-------|---------------|--------------------------------|
| 1     | 10.0 x        | 18.0 x                         |
| 1½    | 6.5 x         | 14.5 x                         |
| 2     | 5.0 x         | 13.0 x                         |
| 2½    | 4.0 x         | 12.0 x                         |
| 3     | 3.5 x         | 11.5 x                         |
| 3½    | 3.0 x         | 11.0 x                         |
| 4     | 2.5 x         | 10.5 x                         |

| Ref.  | Value | Type       | Price | Ref.  | Value | Type  | Price | Ref.  | Value | Type       | Price |
|-------|-------|------------|-------|-------|-------|-------|-------|-------|-------|------------|-------|
| 16120 | 1     | mini right | 54.75 | 00200 | 1     | right | 54.75 | 00214 | 1     | maxi right | 54.55 |
| 16121 | 1½    | mini right | 47.95 | 00201 | 1½    | right | 47.95 | 00215 | 1½    | maxi right | 47.75 |
| 16122 | 2     | mini right | 47.95 | 00202 | 2     | right | 47.95 | 00216 | 2     | maxi right | 47.75 |
| 16123 | 2½    | mini right | 47.95 | 00203 | 2½    | right | 47.95 | 00217 | 2½    | maxi right | 47.75 |
| 16124 | 3     | mini right | 47.95 | 00204 | 3     | right | 47.95 | 00218 | 3     | maxi right | 47.75 |
| 16125 | 3½    | mini right | 47.95 | 00205 | 3½    | right | 47.95 | 00219 | 3½    | maxi right | 47.75 |
| 16126 | 4     | mini right | 47.95 | 00206 | 4     | right | 47.95 | 00220 | 4     | maxi right | 47.75 |
| 16127 | 1     | mini left  | 54.75 | 00207 | 1     | left  | 54.75 | 00221 | 1     | maxi left  | 54.55 |
| 16128 | 1½    | mini left  | 47.95 | 00208 | 1½    | left  | 47.95 | 00222 | 1½    | maxi left  | 47.75 |
| 16129 | 2     | mini left  | 47.95 | 00209 | 2     | left  | 47.95 | 00223 | 2     | maxi left  | 47.75 |
| 16130 | 2½    | mini left  | 47.95 | 00210 | 2½    | left  | 47.95 | 00224 | 2½    | maxi left  | 47.75 |
| 16131 | 3     | mini left  | 47.95 | 00211 | 3     | left  | 47.95 | 00225 | 3     | maxi left  | 47.75 |
| 16132 | 3½    | mini left  | 47.95 | 00212 | 3½    | left  | 47.95 | 00226 | 3½    | maxi left  | 47.75 |
| 16133 | 4     | mini left  | 47.95 | 00213 | 4     | left  | 47.95 | 00227 | 4     | maxi left  | 47.75 |

Conditions of sale: Discount 10 % for 10 identical pieces.

## Additional magnifying Loupe ARY



| Ref.  | Designation          | Magnification | Price |
|-------|----------------------|---------------|-------|
| 16134 | Additional magnifier | 8x            | 8.80  |

Conditions of sale: Discount 10 % for 10 identical pieces.



# Schurch Asco SA

**ASCO**

*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Headband magnifying Loupe

**ZEISS**

**TYPE D6**



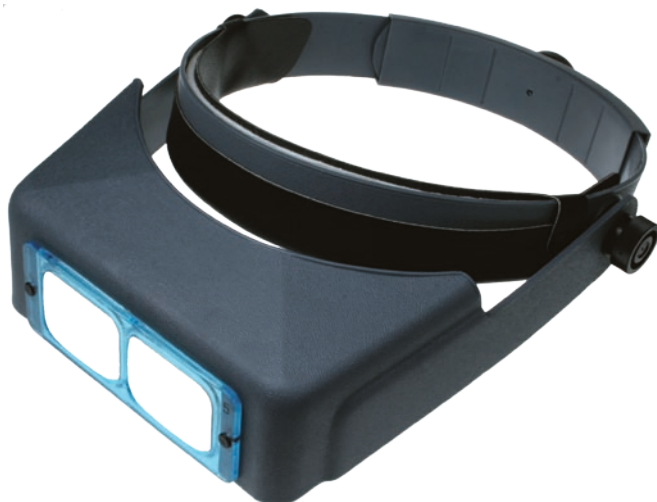
Optical diameter: 40 x 30 mm  
Free working distance: 200 mm  
Field of vision: 72 x 75 mm  
Dimensions: l x h x L = 195 x 60 x 210  
Weight ~110 g

| Ref.  | Magnification | Diopter | Price  |
|-------|---------------|---------|--------|
| 00246 | 1.4 x D6      | 6       | 144.00 |
| 00249 | 2 x D4        | 4       | 144.00 |

Conditions of sale: Net prices.

## Headband magnifying Loupe

**OPTIVISOR**



High quality binocular with mobile visor with rounded edges, pull-down visor, adjustable headband with a button and a comfortable frontal part with leather lined with felt.

Can be worn over Loupe.  
Weight ~240 g.

| Ref.  | Magnification | Lens | Price |
|-------|---------------|------|-------|
| 16030 | 1.5 x D2      | 50   | 72.00 |
| 16031 | 1.75 x D3     | 35   | 72.00 |
| 16032 | 2 x D4        | 25   | 72.00 |
| 16033 | 2.5 x D5      | 20   | 94.70 |
| 16034 | 2.75 x D7     | 15   | 79.00 |
| 16035 | 3.5 x D10     | 10   | 79.00 |

Conditions of sale: Net prices.

## Pocket magnifying Loupe 10 x

Achromatic triplet lenses diameter 18 mm 10 X. No coating for true colors. Resolution 67 lines / mm.



| Ref.  | Magnification | Diameter | Price |
|-------|---------------|----------|-------|
| 16037 | 10 x          | 18 mm    | 69.00 |

## Pocket magnifying Loupe 15 x

Achromatic magnifying glass 16 mm diameter protected by an integrated nickel steel case N° 1618.



| Ref.  | Magnification | Diameter | Price |
|-------|---------------|----------|-------|
| 16036 | 15 x          | 16 mm    | 57.00 |

Conditions of sale: Discount 10 % for 10 pieces.





## Electronic loupe

### XL2

Autonomous portable microscope and his stand with adjustable height, ideal for quality control in factory or field, for research in laboratories or outside. With its own screen 2.8 inches with 200x magnification, allows video recording to a PC via a USB port and a cable which is included. The software measures the length, perimeter, circumference, radius, angle and the objects seen area. also allows image manipulation, color enhancement and addition of text.

| Ref.  | Designation          | Price  |
|-------|----------------------|--------|
| 17531 | Electronic loupe XL2 | 506.00 |

Color display TFT 2,8h 320 x 240 pixels

CMOS Sensor 2M pixels

Magnification: 10x40 optical

15x200 digital

Lighting: 4leds White

Resolution: 1600x1200 pixels (Jpg)

Flash Memory: 2gigabytes

Professional program



## Magnifying Glasses

Conditions of sale: Net prices.

### GALILEI 2.25

Magnifying glasses 2.25 have been developed to be used as magnifying glasses for binocular work with an extended working distance for the special uses in medical or technical fields.

They distinguish themselves for their good vision thanks to the stereoscopic binoculars. The compact construction of the system allows seeing over the eyepiece in order to be able to orientate oneself. The ocular system of both eyes can be adjusted with an axial adjustment system.

The standard 2.25 magnifying glass offers a comfortable and stable base thanks to its arm and spring joints. They are delivered with a hard plastic case and weigh only 46 g.

| Ref.  | Field | Working distance | Price  |
|-------|-------|------------------|--------|
| 17380 | 130   | 450              | 582.80 |
| 17381 | 110   | 340              | 582.80 |

Conditions of sale: Net prices.



## Headband magnifying Glasses

### GALILEI 2.25

Magnifying glasses 2.25 have been developed to be used as magnifying glasses for binocular work with an extended working distance for the special uses in medical or technical fields.

They distinguish themselves for their good vision thanks to the stereoscopic binoculars. The compact construction of the system allows seeing over the eyepiece in order to be able to orientate oneself. The ocular system of both eyes can be adjusted with an axial adjustment system.

The new 2.25 headband magnifying glass is ideal for glass-wearers and the users accustomed to work without glasses frame.

The eyepieces are adjustable separately and precisely thanks to a triple junction of the optical holder and can fit any head shape.

This magnifying glass can be comfortably worn for a long time.

Delivered with a hard plastic case.

| Ref.  | Field | Working distance | Price  |
|-------|-------|------------------|--------|
| 17382 | 130   | 450              | 654.70 |
| 17383 | 110   | 340              | 654.70 |

Conditions of sale: Discount 10 % for 10 pieces.

August 2018



Magnifying Glasses 215



**Schurch Asco SA**

**ASCO**

*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

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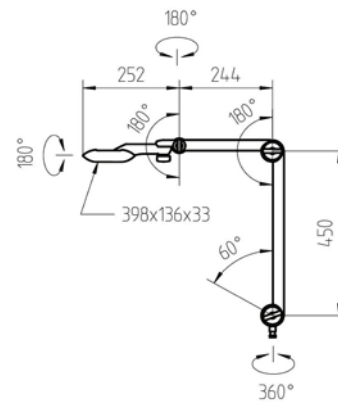
**Short arm LED lamp**

**WALDMANN**

UNIVERSAL TYPE TANEO TND 1400

Daylight lamp, 5000K.  
Anodized aluminum case, with opal white diffuser.  
Led 23 W, 5000k, 100-240 V, 50/60 HZ.  
For watchmaker's post.

| Ref.  | Designation                                  | Article Num.     | Price  |
|-------|--|------------------|--------|
| 17710 | TANEO TND 1400 / 950<br>Adjustable Intensity | Ref : 00 809 738 | 827.00 |
| 17711 | TANEO TND 1400 / 950<br>Adjustable Intensity | Ref : 00 809 740 | 827.00 |



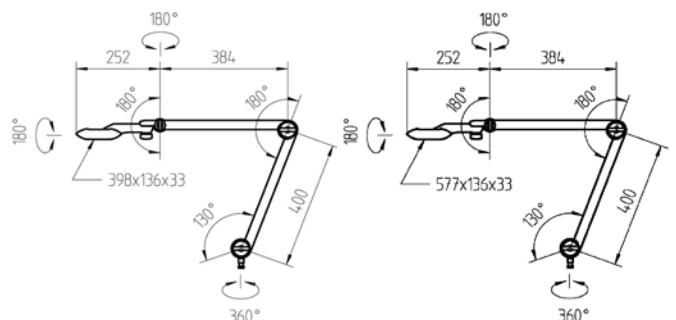
**Long arm LED lamp**

**WALDMANN**

UNIVERSAL TYPE TANEO TND

Daylight lamp, 5000K.  
Anodized aluminum case, with opal white diffuser.  
Led 23 W | 30 W, 5000k, 100-240 V, 50/60 HZ.  
For watchmaker's post.

| Ref.  | Designation                                | Article Num.     | Price  |
|-------|--|------------------|--------|
| 17712 | TANEO TND 1400 / 950<br>Intensité Réglable | Ref : 00 800 737 | 784.00 |
| 17713 | TANEO TND 2100 / 950<br>Intensité Fixe     | Ref : 00 809 772 | 897.00 |



TANEO TND 1400 / 950

TANEO TND 2100 / 950



## Lamp

**WALDMANN**

MODEL SNE

Daylight 5400 ° K, electronic, universal and with articulated arm, with diffuser white opale, with support for additional magnifying glass **16442**.

Voltage: 230 V 50/60 hz



| Ref.         | Designation        | Size           | Article Num.       | Price  |
|--------------|--------------------|----------------|--------------------|--------|
| <b>16440</b> | SNE 118 - 18 watts | 308 x 118 x 70 | -                  | 626.00 |
| <b>16441</b> | SNE 136 - 36 watts | 485 x 118 x 70 | Ref:<br>00 089 979 | 639.70 |

## Accessories

**WALDMANN**

for SNE lamp

| Ref.         | Size   | Price  |
|--------------|--|--------|
| <b>16442</b> | Magnifying glass, diopter 3 = 1.75x, 190 x 138 | 304.00 |

## LED Lamp

**WALDMANN**

MODEL SNLQ 54/2

- LED technology
- 4000k neutral white color temperature
- Color rendering index Ra > 95
- Anti-glare protection thanks to opal white diffuser
- Pivoting glass lens 175 x 105 mm with 3 diopters
- Light gray or black plastic case
- PC diffuser
- Spring-compensated arm
- On / off switch for segment switching on the lamp head
- Protection class IP20. protection class I
- Delivery with a connection cable of approx. 3m and CEE 7/7 type plug (earthed plug)
- Various attachments and additional magnifiers (4 diopters) available as accessories



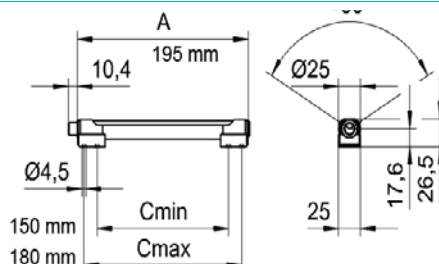
| Ref.         | Designation | Article Num.     | Price  |
|--------------|-------------|------------------|--------|
| <b>16443</b> | SNLQ 54/2   | Ref : 00 695 504 | 831.00 |

## LED surface-mounted luminaire

**WALDMANN**

MODEL LEA 300/850/S

Power consumption approx. 3W  
Luminous flux of the light approx. 315lm  
Luminous efficacy of the luminaire approx. 105lm/W  
type of light/color clear neutral white  
Color temperature approx. 5.000K  
Dimension A=195mm, Cmin=150mm, Cmax=180mm



| Réf.         | Designation   | Item Num.        | Price  |
|--------------|---------------|------------------|--------|
| <b>16444</b> | LEA 300/850/S | Ref : 00 801 340 | 179.00 |



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**LED magnifying lamp**

**WALDMANN**

TEVISIO TVD 750 / 940

LED magnifying lamp with articulated arm and diopter glass 3.5 long arm.

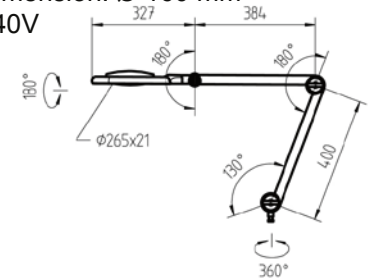
Special feature:

Additional lens.

Magnifiers / lenses; dimension: Ø 160 mm

Voltage: 14W | 100-240V

Frequency: 50/60 HZ



| Ref.         | Designation                   | Article Num.     | Price  |
|--------------|-------------------------------|------------------|--------|
| <b>17714</b> | Tevisio Plastic TVD 750 / 940 | Ref : 00 800 638 | 627.00 |
| <b>17709</b> | Tevisio Glass TVD 750 / 940   | Ref : 00 800 660 | 970.00 |

**Additional lenses**

**WALDMANN**

FOR TEVISIO

| Ref.         | Designation                           | Article Num.      | Price |
|--------------|---------------------------------------|-------------------|-------|
| <b>17715</b> | Additional lens Tevisio TVD 750 / 940 | Ref : 00 80 29 94 | 57.00 |

POUR TANÉO

| Ref.         | Designation               | Article Num.     | Price  |
|--------------|---------------------------|------------------|--------|
| <b>17716</b> | Additional lens Taneo TND | Ref : 00 575 900 | 191.00 |



Ref : 00 80 29 94  
Diopter 6



Ref : 00 575 900  
Diopter 3,5

**Rocia Focus Articulating Arm Lamp**

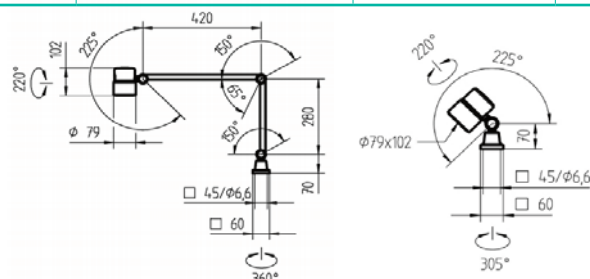
**WALDMANN**

Brass seal for high protection IP 67.

Resistant to substances such as oils or cooling lubricants. With dimmer button.



| Ref.         | Designation                 | Article Num      | Price  |
|--------------|-----------------------------|------------------|--------|
| <b>17717</b> | Rocia Focus Articulated arm | Ref : 00 680 208 | 573.00 |
| <b>17718</b> | Rocia Focus On ball joint   | Ref : 00 721 996 | 442.00 |



Unsecured stabilization when moving the head.



## LED Lamp

### WALDMANN

#### ROCIA FOCUS MODEL

Articulated head lamp with metal hose of 600 mm.

Voltage: 8W | 100-240V

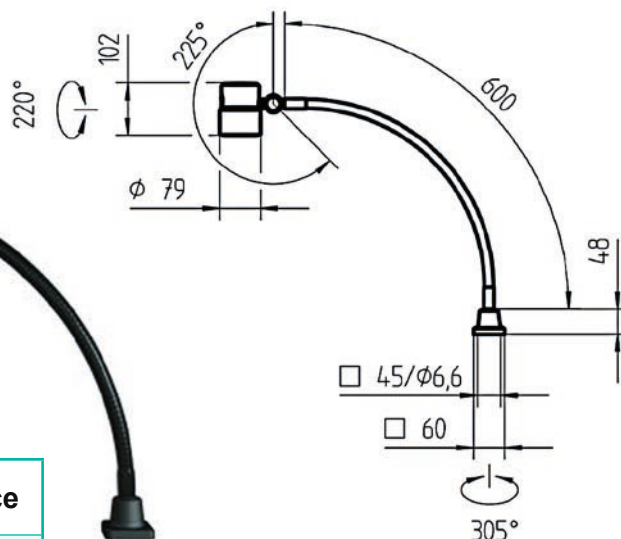
Frequency: 50/60 HZ

Temperature: 5000K

Angle of diffusion: 40 °

Brass seal for high protection IP 67.

Resistant to substances such as oils or cooling lubricants.



| Ref.  | Designation | Angle of diffusion | Article Num.     | Price  |
|-------|-------------|--------------------|------------------|--------|
| 16439 | 600/850 D   | 40 °               | Ref : 00 681 708 | 558.00 |

## Lamp base

### Magnetic base

Magnetic base for Waldmann HI 20 halogen lamp and Rocio focus. Complete kit with protective felt.

| Ref.  | Designation             | Color | Article Num.     | Price |
|-------|-------------------------|-------|------------------|-------|
| 16450 | For HI 20 + Rocio focus | Black | Ref : 00 80 7466 | 69.00 |



### Heavy base

Handle with care when handling the axes of the lamp.

| Ref.  | Designation                         | Color      | Article Num.     | Price  |
|-------|-------------------------------------|------------|------------------|--------|
| 16448 | For : Rocio                         | Black      | Ref : 00 014 959 | 229.00 |
| 16449 | For : Rocio / SNE / TANE0 / TEVISIO | light grey | Ref : 00 014 993 | 169.00 |



## Waldmann Veneer Clamp

| Ref.  | Designation                         | Thickness max. | Article Num.     | Price |
|-------|-------------------------------------|----------------|------------------|-------|
| 16445 | For : Rocio / SNE / TANE0 / TEVISIO | 45 mm          | Ref : 00 014 923 | 31.00 |
| 16446 |                                     | 65 mm          | Ref : 00 014 904 | 35.00 |
| 16447 |                                     | 135 mm         | Ref : 00 014 950 | 40.00 |



Terms of Sale: Net price.

January 2023

Magnifying Glasses 219



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
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## ASCO Binocular Microscope

### SPZ-50SBG WITH ZOOM AND STAND



The microscope includes a 303 mm high column and a Ring illuminator with 54 white LEDs 6400 K, continuously adjustable intensity. The eyepieces are 45° inclined and the desk is 360° rotatable.

Magnification: 6.7 to 50 x  
Zoom : 7.50 : 1  
Working distance: 108  
Base: plate 144 x 260  
Diopter adjustment: ± 7.2 D  
Total height: 405

| Ref.  | Designation                         | Weight | Price   |
|-------|-------------------------------------|--------|---------|
| 17524 | SPZ-50SBGM                          | 6.1    | 2095.00 |
| 17496 | rubber eye guard for SPZ + DSZ type |        | 9.85    |
| 17493 | Protective Cover                    |        | 4.35    |
| 17525 | Diffuser for LED lamp SPZ-50SBG     |        | 19.00   |
| 17526 | Transformer for LED lamp SPZ-50SBG  |        | 268.00  |

## ASCO Binocular Microscope

### DSZ-44 BRF LED



The microscope includes a 52 mm to 75 mm high column and a Ring illuminator with 54 white LEDs 6400 K, continuously adjustable intensity. Retro-éclairage avec filtre bleu Ø 37 mm et verre sablé Ø 80 mm. The eyepieces are 45° inclined and the desk is 360° rotatable.

Magnification: 10 to 44 x  
Zoom: 4.40 : 1  
Working distance: 90  
Base: plate 160 x 219  
Diopter adjustment: +5.6D - 7.2 D  
Total height: 352

| Ref.  | Designation           | Weight | Price   |
|-------|-----------------------|--------|---------|
| 17503 | DSZ-44 BRF LED        | 4.4    | 2085.00 |
| 17494 | Transparent glass pad |        | 18.10   |
| 17495 | Blu filter glass pad  |        | 11.30   |
| 17493 | Protective Cover      |        | 4.35    |

## ASCO Binocular Microscope

### SPZ-50PS WITH ZOOM



The microscope is delivered without light for the installation on a BOOM base. The eyepieces are 45° inclined and the desk is 360° rotatable.

Magnification: 6.7 to 50 x  
Zoom: 7.50 : 1  
Working distance: 108  
Base: plate 220 x 284  
Diopter adjustment: ±7.2 D  
Total height: 372

| Ref.  | Designation | Weight | Price   |
|-------|-------------|--------|---------|
| 17502 | SPZ-50PS    | 4.9    | 1885.50 |

Conditions of sale: Net prices.  
220 Magnifying Glasses

January 2024

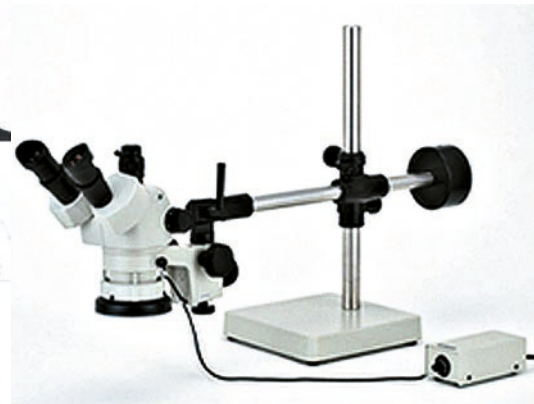


## ASCO Trinocular Microscope

### SPZV-50UNGM

WITH ZOOM AND STAND

Magnification: 6.7 to 50 x  
Zoom: 7.50 : 1  
Working distance: 108  
Base: plate 230 x 230  
Diopter adjustment:  $\pm 7.2$  D  
Total height: 488



| Ref.  | Designation  | Weight | Price   |
|-------|--|--------|---------|
| 17501 | SPZV-50UNGM  | 24.4   | 3885.00 |
| 17492 | Pair of objectives for binocular SPZ<br>Type DHW 10X METAL |        | 184.50  |
| 17497 | rubber eyeguard for DSZ typ                                |        | 7.60    |

SPZ-50 series is provided with a zoom that allows a magnification going from 6.7 to 50 x with a standard eyepiece DHW10x. SPZT et SPZV series allows the addition of an extra eyepiece that can be used for taking pictures or filming. A ring provided on the vertical tube allows the adjustment of the focal. The microscope includes a LED light and a system View. The eyepieces are 45° inclined and the desk is 360° rotatable.

## ASCO Trinocular Microscope

### SPZT-50D-SGBM

WITH ZOOM AND STAND

The microscope includes a 303 mm high column and a Ring illuminator with 54 white LEDs 6400 K, continuously adjustable intensity. The eyepieces are 45° inclined and the desk is 360° rotatable.

Magnification: 6.7 to 50 x  
Zoom : 7.50 : 1  
Working distance: 108  
Base: plate 144 x 260  
Diopter adjustment:  $\pm 7.2$  D  
Total height: 405



| Ref.  | Designation   | Specifications | Price   |
|-------|---------------|----------------|---------|
| 17499 | SPZT-50D-SBGM | 6.2            | 2465.00 |

## Microscope binocular ASCO

### SPZ-50UNGM WITH ZOOM AND BOOM STAND

The microscope incorporates a high column of 544 and an annular light source with infinitely adjustable intensity. The eyepieces are inclined at 45 ° and the stage is rotatable through 360 °.

Magnification : 6.7 à 50 x  
Zoom : 7.50 : 1  
Working distance : 108  
Support : plaque de base de 230 x 230  
Diopter adjustment :  $\pm 7.2$  D  
Total height : 544

| Réf.  | Designation | Weight | Price   |
|-------|-------------|--------|---------|
| 17505 | SPZ-50UNGM  | 23.4   | 3293.00 |





## CAMERA M-A UDPC5

### USB / DIGITAL CAMERA 5 MEGAPIXEL

WITH MEASUREMENT SOFTWARE FOR MICROSCOPE



| Ref.  | Designation  | Specifications          | Price  |
|-------|--------------|-------------------------|--------|
| 17504 | CMOS Camera  | FMA050                  | 833.00 |
| 17512 | EP25-C10/100 | dia 25 mm, cross 10/100 | 86.60  |

## WI-FI CAMERA

26 100-256  
iOS Compatibility



| Ref.  | Designation | Specifications | Price  |
|-------|-------------|----------------|--------|
| 17530 | 26 100-256  | Wi-Fi Camera   | 495.00 |

Conditions of sale: Net prices.

- T-PENTAX/S
- T-PENTAX/F
- T-NIKON/F
- T-MINOLTA/SR
- T-MINOLTA/A
- T-CANON/F
- T-CANON/EOS
- T-OLYMPUS/OM
- T-OLYMPUS/E 4/3
- T-KONICA
- T-FUJICA
- T-CONTAX



17513



17514

## ASCO Adapter for Camera

### T-MICRO

Optical connection socket for camera SLR type.  
Ring for cameras of the listed brands to be used with optical socket T-Micro.  
Compatible models are to be indicated in the order:

| Ref.  | Designation   | Type    | Price |
|-------|---------------|---------|-------|
| 17513 | upper adaptor | T-micro | 42.30 |
| 17514 | ring          | T-mount | 22.00 |

## CCD Camera ASCO Adapter

### TVA-45

Adapter for CCD camera with C assembling.



| Ref.  | Designation | Price  |
|-------|-------------|--------|
| 17511 | ASCO TVA-45 | 123.00 |

## Spare Lighting

| Ref.  | Designation | Type       | Price |
|-------|-------------|------------|-------|
| 17520 | Rear-light  | TB20-23020 | 9.90  |

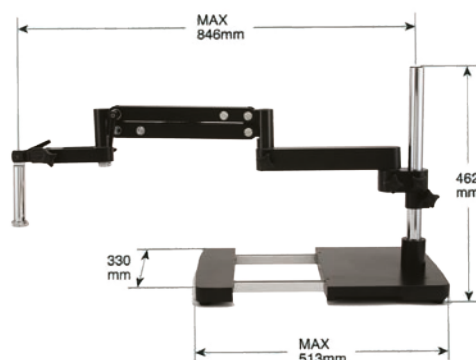




## BOOM STAND V-7C

Universal boom stand V-7C model with articulated arm without counter-weight. Very good stability, ideal for various types of assembling with binocular type SPZ50PS.

| Ref.  | Designation | Type | Price  |
|-------|-------------|------|--------|
| 17507 | BOOM Stand  | V-7C | 563.00 |

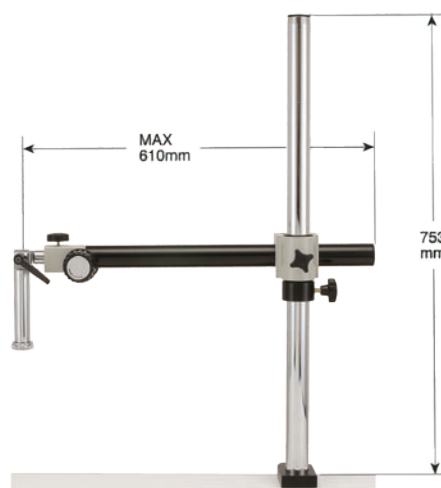


Conditions of sale: Net prices.

## BOOM STAND V-3C

Universal boom stand with G clamp fixation and articulated arm.

| Ref.  | Designation | Type | Price  |
|-------|-------------|------|--------|
| 17518 | BOOM Stand  | V-3C | 364.00 |



## ASCO Gliding Stage

### XR723

Gliding stage with closed circulation linear bearing.

Size: 350 x 250 x 103

Base plate: 520 x 480

Movement: 360 x 418

| Ref.  | Type  | Price   |
|-------|-------|---------|
| 17522 | XR723 | 2198.00 |



## ASCO Optical fiber Illuminator

### L-150AR60/L

Cold light 150W optical fiber illuminator with ring light guide. Adjustable intensity, long life last (~200h)

| Ref.  | Designation | Type             | Price  |
|-------|-------------|------------------|--------|
| 17508 | cold light  | ASCO L-150AR60/L | 766.00 |



Conditions of sale: Net prices.

August 2021

Magnifying Glasses 223



# Schurch Asco SA

**ASCO**

*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)

WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## ASCO Optical fiber Illuminator

**L-150AB/L**

Cold light 150W optical fiber illuminator. Adjustable intensity with ring light guide, long life time (~200h). The additional sockets allow a lighting going from a 20 to 200 mm distance on a 10 to 40 mm diameter surface.



| Ref.  | Designation    | Type      | Price  |
|-------|----------------|-----------|--------|
| 17509 | cold light     | L-150AB/L | 818.00 |
| 17515 | optical socket | L-150FL   | 36.35  |

Light source

for 150AB/L - 150AR/L

| Ref.  | Designation  | Type        | Price |
|-------|--------------|-------------|-------|
| 17519 | halogen bulb | L-150BULB/L | 69.00 |

## ASCO White LED Ring Illuminator

**MIC-56**

Ring illuminator with 56 white LEDs, continuously adjustable intensity. White colour 4300°K. Long life last.



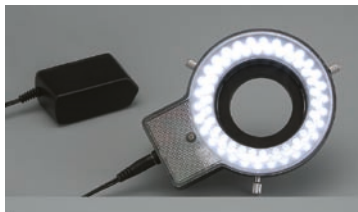
| Ref.  | Designation      | Type   | Price  |
|-------|------------------|--------|--------|
| 17510 | ring illuminator | MIC-56 | 252.00 |

## ASCO White LED Ring Illuminator

**LED-60T**

Ring illuminator with 60 white LEDs, adjustable intensity on 4 levels. White colour 4300°K. Long life last.

Activation of LEDs: Right - Left | Up - Down

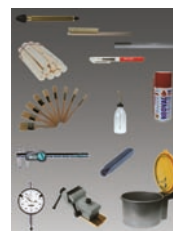


| Ref.  | Designation                   | Type    | Price  |
|-------|-------------------------------|---------|--------|
| 17516 | ring illuminator              | LED-60T | 211.00 |
| 17497 | AC/DC Transformer for LED-60T |         | 34.00  |

Conditions of sale: Net prices.

224 Magnifying Glasses

April 2023



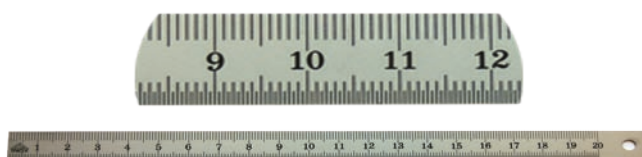
## 10. VARIOUS

### Small Flexible Rule ASCO

Stainless steel, matt chrome din 866B MM + 1/2 MM

| Ref.  | Length  | Width | Thickness | DIN  | Price |
|-------|---------|-------|-----------|------|-------|
| 00650 | 150 mm  | 13 mm | 0.5 mm    | 866B | 9.25  |
| 00652 | 200 mm  | 15 mm | 0.5 mm    | 866B | 12.40 |
| 00653 | 300 mm  | 15 mm | 0.5 mm    | 866B | 16.00 |
|       | 300 mm  | 25 mm | 0.8 mm    | 866B |       |
|       | 500 mm  | 19 mm | 0.5 mm    | 866B |       |
|       | 500 mm  | 30 mm | 0.8 mm    | 866B |       |
|       | 1000 mm | 20 mm | 0.5 mm    | 866B |       |
|       | 1000 mm | 35 mm | 1.3 mm    | 866B |       |
|       | 1500 mm | 35 mm | 1.3 mm    | 866B |       |
|       | 2000 mm | 35 mm | 1.3 mm    | 866B |       |
|       | 3000 mm | 35 mm | 1.3 mm    | 866B |       |

Prices on demand



### Small Flexible Rule ASCO

Stainless steel, matt chrome dual-sided 1/2 MM

| Ref.  | Length | Width | Thickness | DIN  | Price |
|-------|--------|-------|-----------|------|-------|
| 00651 | 150 mm | 13 mm | 0.5 mm    | -    | 1.70  |
| 00654 | 200 mm | 13 mm | 0.5 mm    | 2768 | 4.10  |



Conditions of sale: Discount: 10 % for 10 to 25 identical pieces  
15 % for 26 to 50 identical pieces  
20 % for 51 to 100 identical pieces

### Sliding Caliper

TESA

ETALON 125, WITH DIAL

Measuring beaks and rule soaked and stabilized.  
Soaked rank, trued toothing  
Turning dial diameter 32 mm with blocking  
Anti-shock double effect  
Sliding block with blocking screw

Conditions of sale: Net prices

| Ref.  | Designation  | Measuring range   | Price  |
|-------|--------------|-------------------|--------|
| 00683 | Standard 125 | 0 → 150 mm / 0.02 | 148.00 |





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CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : INFO@SCHURCH-ASCO.COM  
WEB : WWW.SCHURCH-ASCO.COM

## TESA-CAL



Swiss made DIN 862 protected against liquid throwings IP67, delivered with certificate and measuring report. Carrying out of a drive runner is available on demand for the same price.

| Ref.  | Designation   | Measuring range    | Price  |
|-------|---------------|--------------------|--------|
| 16301 | Tesa-Cal IP67 | 0 → 150 mm / 0.001 | 197.00 |

## Micrometer

TESA

MICROMASTER EASY



New patented electronic measuring system CAPA  $\mu$  SYSTEM with large size digital displaying with simplified functions.

| Ref.  | Designation      | Measuring range   | Price  |
|-------|------------------|-------------------|--------|
| 16302 | Micromaster Easy | 0 → 30 mm / 0.001 | 306.00 |

## Base for Micrometer

TESA



Base for external micrometers up to 300 mm or for other instruments. Varnished cast-iron base, blocking of the inclination with a unique screw.

| Ref.  | Designation | Price  |
|-------|-------------|--------|
| 16305 | Base        | 134.00 |

## Marking-Gauge

PIERRE LAMBERT



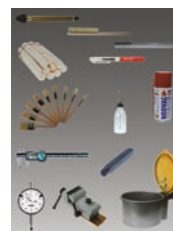
Multipurpose marking-Gauge including 1 point, 2 pliers of 20 and 90mm, one key and the main base.

| Ref.  | Range of use | Price  |
|-------|--------------|--------|
| 16305 | 0 - 160 mm   | 250.00 |

Conditions of sale: Net prices

226 Others

August 2018



## Asco 3D comparator

### DIGITAL AND ANALOG

It combines the best of both worlds and can be played both digitally and analogically. Digital display with numbers allows reading with an accuracy of 0.005 mm.

Following a rapidly changing digital display with your eyes is almost impossible.

But our additional analog display ensures safety for the user. A built-in LED indicates to the user the status of the survey process using different colors.

The famous ceramic stylus inserts with carbide balls 03 and 06 mm are suitable.



| Ref.  | Designation           | Measuring range            | Price  |
|-------|-----------------------|----------------------------|--------|
| 16303 | Comparator Tschorn 3D | 0.005 mm                   | 372.00 |
| 16307 | Palpor 3D             | 3D Ceramic 3.00 x 27.00 mm | 27.00  |
| 16308 | Palpor 3D             | 3D Ceramic 6.00 x 62.00 mm | 44.00  |

## Precision Comparator

### TESA

#### DIGICO 10

The display and keyboard are adjustable through 270° with a bet adjustable zero. Two reference values can be entered by the PRESET function. The displayed reading can be locked by a holding. Digital output opto-isolated RS232.



| Ref.  | Designation | Measuring range     | Price  |
|-------|-------------|---------------------|--------|
| 16304 | Digico 10   | 0 → 12.5 mm / 0.001 | 577.00 |

## Precision Comparator

### COMPAC JET

#### 512 K

Display diameter: 58 mm



| Ref.  | Designation | Measuring range  | Price  |
|-------|-------------|------------------|--------|
| 00684 | Compac      | 0 → 10 mm / 0.01 | 164.00 |

Conditions of sale: Net prices

December 2023

Others 227



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CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434

FAX : +41 32 724 3436

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L cm



## Chuck with two Pliers

*Square tooth-forming milling-cutter*

*Scratched brass*

| Ref.  | Ø pliers    | Length cm | Price |
|-------|-------------|-----------|-------|
| 16325 | 0.00 - 3.50 | 12 cm     | 19.90 |
| 16324 | 0.00 - 3.00 | 11 cm     | 17.60 |
| 16323 | 0.00 - 2.80 | 10 cm     | 13.45 |
| 16322 | 0.00 - 2.30 | 9 cm      | 11.75 |
| 16321 | 0.00 - 1.80 | 8 cm      | 10.50 |
| 16320 | 0.00 - 1.50 | 7 cm      | 10.10 |

Conditions of sale: Net prices

## Round tooth-forming milling-cutter

*Knurled brass*

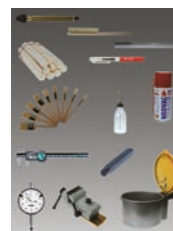


| Ref.  | Ø pliers    | Ø manche | Price |
|-------|-------------|----------|-------|
| 00646 | 3.50 - 4.00 | 12 mm    | 27.50 |
| 00645 | 3.00 - 3.50 | 10 mm    | 20.40 |
| 00644 | 2.50 - 3.00 | 9 mm     | 15.20 |
| 00643 | 2.00 - 2.50 | 8 mm     | 14.10 |
| 00642 | 1.50 - 2.00 | 7 mm     | 12.00 |
| 00641 | 0.00 - 1.50 | 6 mm     | 10.00 |
| 00640 | 0.00 - 1.20 | 5 mm     | 9.00  |

Conditions of sale: Net prices

228 Others

January 2024



## EO2100 Trimmer Set

NOGA

The set contains four tools for the trimming of aluminium, brass, steel and PVC. The length for the tool and blade are 140 and 20 mm. The blades can be ordered separately and include 10 items for each reference.

| Ref.  | NB Blades | Designation     | COLOR  | REF    | Price |
|-------|-----------|-----------------|--------|--------|-------|
| 16580 |           | EO2100 full set |        |        | 25.80 |
| 16582 | 10        | Alu             | Green  | BS1010 | 30.00 |
| 16584 | 10        | Brass           | Red    | BS2010 | 30.00 |
| 16586 | 10        | Steel           | Blue   | BS1018 | 35.00 |
| 16588 | 10        | PVC             | Yellow | BK3010 | 31.00 |



## SP1007 Trimmer Set

NOGA

The SP1007 set includes six trimming tools for inner threading, external chamfer, groove, milling-cutter type, steel or PVC. The blades can be ordered separately and include 1 item or 10 items for each reference.

| Réf   | NB Blades | Designation         | REF    | Price |       |
|-------|-----------|---------------------|--------|-------|-------|
| 17350 |           | SP1007 full set     |        |       | 82.70 |
| 17352 | 1         | inner threading     | BC1001 | 12.20 |       |
| 17354 | 1         | groove              | BO1001 | 15.80 |       |
| 17356 | 1         | milling-cutter type | BC1651 | 38.00 |       |
| 17358 | 1         | external chamfer    | EX2001 | 28.10 |       |
| 17360 | 10        | PVC                 | BK3010 | 31.00 |       |
| 17361 | 10        | steel               | BS1018 | 35.00 |       |



## YT 2000 deburrer set

NOGA

- YT handle (YT1000)
- triangular mini scraper D75 HSS (BD7501)
- T80 Double End Triangular Medium Scraper (BT8001)



| Réf   | NB Blades | Designation                         | REF | Price |       |
|-------|-----------|-------------------------------------|-----|-------|-------|
| 17351 |           | Noga Interieur YT 2000 Deburrer Set |     |       | 23.90 |

Conditions of sale: discount 10% for 10 identical references or more.



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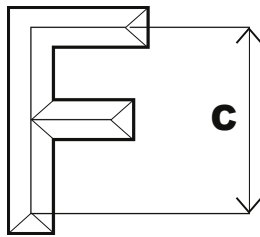
PHONE : +41 32 724 3434

FAX : +41 32 724 3436

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## Box of 100 Punches



### ASCO IMPERIAL

#### SET OF COMBINATIONS N° 112

For marking on metals numbers or words like: OIL - LEFT-RIGHT - START - RESERVE - STOCK - 1958 - PATENT - + No - REF. - A 25 - 3/4 - 1/100.

Fonts: beautiful block style, well legible. The composition is rapidly made. The punches are trued in every sense with a tolerance of 0,0025 mm; they assure an exact printing and a perfect alignment. The size designates the size of C.

The box contains 112 pieces: 100 punches, 12 spaces and a typesetter:

|                   |                                 |
|-------------------|---------------------------------|
|                   | A B C D E F G H I J K L M N O P |
| number of pieces: | 3 2 2 2 4 2 2 2 3 2 2 3 2 3 3 2 |
|                   | Q R S T U V W X Y Z & / - . , 1 |
| number of pieces: | 1 3 3 2 3 1 2 1 1 1 1 2 2 2 2 4 |
|                   | 2 3 4 5 6 7 8 9 0               |
| number of pieces: | 4 3 4 3 3 3 3 3 3               |

| Ref.  | FONT SIZE | Shaft length     | TYPESETTER LETTERS CAPACITY |      |      | PRICE  |
|-------|-----------|------------------|-----------------------------|------|------|--------|
|       |           |                  | 1/19                        | 3/29 | 4/39 |        |
| 00655 | 1.0       | 1.6 x 6.4 x 22.2 | 12                          | 18   | 24   | 540.40 |
| 00656 | 1.5       | 1.6 x 6.4 x 22.2 | 12                          | 18   | 24   | 540.50 |
| 00657 | 2.0       | 2.0 x 6.4 x 22.2 | 9                           | 15   | 18   | 420.00 |
| 00658 | 2.5       | 2.4 x 6.4 x 22.2 | 8                           | 12   | 16   | 555.20 |
| 00659 | 3.0       | 3.0 x 6.4 x 22.2 | 6                           | 9    | 12   | 430.00 |
| 00660 | 5.0       | 4.8 x 6.4 x 22.2 | 4                           | 6    | 8    | 656.80 |

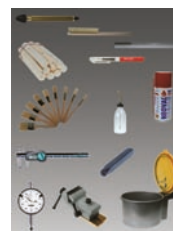
| Ref.  | DESIGNATION                                    | DIAMETER | N° | PRICE  |
|-------|--|----------|----|--------|
| 00804 | Typesetter uniquely with rectangular shaft     | 19       | 1  | 82.00  |
| 00805 | Typesetter uniquely with rectangular shaft     | 29       | 3  | 82.00  |
| 00806 | Typesetter uniquely with rectangular shaft     | 39       | 4  | 87.00  |
| 00800 | Typesetter uniquely with cylindrical shaft     | 10       | 1  | 132.00 |
| 00801 | Typesetter uniquely with cylindrical shaft     | 10       | 2  | 155.00 |
| 00802 | Typesetter uniquely with cylindrical shaft     | 10       | 3  | 187.00 |
| 00803 | Typesetter uniquely with cylindrical shaft     | 10       | 4  | 187.00 |
| -     | Isolated block capitals per 10 assorted pieces | 1 → 5    |    | 4.40   |
| -     | Isolated spaces per 10 assorted pieces         | 1 → 5    |    | 1.90   |

Conditions of sale: Increase: 25 % for less than 10 assorted pieces.

230 Others

August 2018

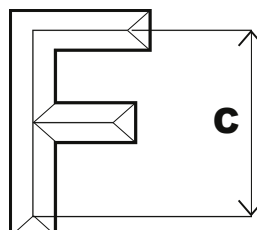




## Number and Letter Punch

### ASCO IMPERIAL

These punches ASCO IMPERIAL make a precise typing, clear and in a beautiful block style. The block capitals have the same bevels and the same depth. They are set square, centred uniformly on the shaft, producing an excellent alignment using the guide No 11 or a rule. Special strong steel for tapping on metals, cast iron, or non soaked alloy steels. The size designates the size of C. The series of numbers and letters are respectively 0 to 9 and A to Z. The value of the single punch must be defined in the order form.



| Size | Shaft       | Numbers |       | Lettres |        | Single Punch |       |
|------|-------------|---------|-------|---------|--------|--------------|-------|
|      |             | Ref.    | Price | Ref.    | Price  | Ref.         | Price |
| 1.0  | 6.3 x 63.5  | 00661   | 38.00 | 00672   | 94.00  | 02320        | 5.00  |
| 1.5  | 6.3 x 63.5  | 00662   | 24.00 | 00673   | 59.00  | 02321        | 5.00  |
| 2.0  | 6.3 x 63.5  | 00663   | 32.00 | 00674   | 46.00  | 02322        | 4.00  |
| 2.5  | 6.3 x 63.5  | 00664   | 19.00 | 00675   | 46.00  | 02323        | 4.00  |
| 3.0  | 6.3 x 63.5  | 00665   | 19.00 | 00676   | 46.00  | 02324        | 4.00  |
| 4.0  | 8.0 x 70.0  | 00666   | 21.00 | 00677   | 53.00  | 02325        | 4.50  |
| 5.0  | 8.0 x 70.0  | 00667   | 21.00 | 00678   | 53.00  | 02326        | 4.50  |
| 6.0  | 9.5 x 70.0  | 00668   | 25.00 | 00679   | 62.00  | 02327        | 6.00  |
| 8.0  | 12.7 x 89.0 | 00669   | 44.00 | 00680   | 110.00 | 02328        | 10.00 |
| 10.0 | 14.3 x 89.0 | 00670   | 58.00 | 00681   | 145.00 | 02329        | 14.00 |
| 12.5 | 19.0 x 89.0 | 00671   | 80.00 | 00682   | 200.00 | 02330        | 18.00 |

Conditions of sale: Net prices.

## Tapping Oil

### NEOVAL

The base formula is the substance MTO-300. Its optimization degree is unique and it allows exceptional performances. It reduces the scratching and the wearing out without making sticky. It prevents incrustations and deposits. The penetrating lubricating film protects against corrosion. It increases life lasting and it isolates from humidity. It does not contain acids, sulphur or silicium. It replaces many special products. The 100 ml spray is rechargeable with the 400 ml spray.



| Ref.  | Designation      | Capacity | Price |
|-------|------------------|----------|-------|
| 01000 | Neoval oil spray | 100 ml   | 14.55 |
| 01001 | Neoval oil spray | 400 ml   | 28.50 |

Conditions of sale: Net prices.

September 2023

Others 231



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : INFO@SCHURCH-ASCO.COM  
WEB : WWW.SCHURCH-ASCO.COM



## Oil

### NEOVAL

#### RUBIN G8

High alloy mineral oil for state-of-the-art demands for any treatment of metals or plastic materials. It improves the precision and the output, reduces the friction, the heating and the wearing out. It increases the life lasting of the tools. It prevents the sticking of the chips and resists to high temperatures and high pressures. It does not contain acids, sulphur or silicium. It can be mixed with any mineral oil.

Thermoresistant and anti-fogging.

| Ref.  | Designation         | Capacity | Price |
|-------|---------------------|----------|-------|
| 01002 | Neoval oil Rubin G8 | 500 ml   | 25.10 |

Conditions of sale: Net prices.

## Oil Applicator

### NEOVAL LUBRISTYL

Precision tool for the precise application of minimal quantities of oil. It is made with high quality materials: the barrel and the cap are made of synthetic materials resistant to oils and to solvents, the needle is made of stainless steel and the head of the spring is made of glossy metal.



| Ref.  | Designation      | Capacity | Price |
|-------|------------------|----------|-------|
| 01003 | Neoval Lubrystyl | 30 ml    | 26.25 |

Conditions of sale: Net prices.

## Tapping Liquid

### LOCTITE 8030

For drilling, sawing, tapping or threading of steels (treated or not), the majority of non ferrous metals, in particular for stainless steel.

Exempt from toxicity.

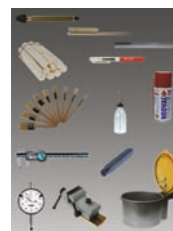
Mineral base/ Viscosity (3)

Temperature range C : N.R

| Ref.  | Capacity | Price |
|-------|----------|-------|
| 01005 | 250 ml   | 39.20 |



Conditions of sale: Discount: 15 % per pack of 12 pieces.



## Jigger

### MENDA PUMP

A jigger that allows an economical use of various liquids. A simple pressure on the cap is sufficient to pump a small quantity and bring it to the hole located under the lid. Only the necessary quantity being pumped, and, as the liquid cannot evaporate or be spilled, there is no waste. A precision pipe hermetically closes the liquid jigger and so consents to avoid introduction of impurities or the exchange with toxic vapours. The polyethylene body is resistant to acids and to solvents. The jigger is therefore ideal for acetone, paint, hydrochloric or sulphuric acid, Freon, trichlorethane, alcohols and disinfectants.

| Ref.  | Designation  | Capacity | Price |
|-------|--------------|----------|-------|
| 16230 | Jigger Menda | 1.18 dl  | 35.30 |

Conditions of sale: Discount: 5% from 10 items  
10% from 50 items.



## HDPE - POLYETHYLENE

## Oil-can

### WITH BIP CLOSING

#### TRANSPARENT PE PLASTIC

The BIP closing has the following advantages: the tubes can be lengthened in order to oil towards bottom, and plunged back in the oil in order to oil towards top. The closing is also useful as an exit pipe, the waterproof screw is entirely made of brass.

| Ref.  | Capacity | Price |
|-------|----------|-------|
| 00687 | 250 ml   | 11.10 |
| 00688 | 60 ml    | 8.30  |

Conditions of sale: Discount: 10 % from 10 identical items



## Grease

Tallow, animal grease.

| Ref.  | Packaging | Price |
|-------|-----------|-------|
| 00542 | 1 kg      | 24.00 |

Conditions of sale: Net prices.

January 2024

Others 233



## CONTAINER.

### GEIGER CONTAINER

Washing container known as «Benzinière Geiger» and used for all cleaning and degreasing where products flammable solvents and chemicals are required.

100% stainless steel with electropolished finish, which allows better even parts. New, more efficient seal.

#### Round

| Ref.                | 15432  | 16451  | 16453  | 16463                 | 16464                          | 16523                      |
|---------------------|--------|--------|--------|-----------------------|--------------------------------|----------------------------|
| Ø                   | 92     | 165    | 230    |                       |                                |                            |
| h <sub>closed</sub> | 60     | 130    | 165    | Celluloid<br>Security | Copper<br>Security<br>Standard | Copper<br>Security<br>Mini |
| h <sub>opened</sub> | 170    | 310    | 400    |                       |                                |                            |
| Liters              | 0.15 L | 2 L    | 5 L    |                       |                                |                            |
| Price               | 279.80 | 298.00 | 367.00 | 5.90                  | 12.80                          | 9.75                       |

Conditions of sale: Net prices.



#### Rectangular

| Ref.                | 16452  | 16454  | 16455  |
|---------------------|--------|--------|--------|
| Length              | 220    | 300    | 300    |
| Width               | 220    | 300    | 300    |
| h <sub>closed</sub> | 220    | 190    | 320    |
| h <sub>opened</sub> | 440    | 490    | 620    |
| Liters              | 10 L   | 17 L   | 28 L   |
| Price               | 533.00 | 584.00 | 625.00 |



### Stainless steel sieves for GEIGER container

These sieves fit the above containers.

| Réf.   | 15426  | 15427 | 15428 |
|--------|--------|-------|-------|
| Litres | 0.15 L | 2 L   | 5 L   |
| Prix   | 76.00  | 81.00 | 98.00 |



| Réf.   | 15429  | 15430  | 15431  |
|--------|--------|--------|--------|
| Litres | 10 L   | 17 L   | 28 L   |
| Prix   | 142.00 | 144.00 | 168.00 |



Conditions of sale: Net prices.

### ASCO INOX CONTAINER

To clean, degrease and rust with flammable or toxic liquids. In case of inflammation of liquid, the copper fuse melts, the lid closes automatically and stifles the fire.

The closed lid stays under pressure, prevents the spread of toxic fumes and protects the health of your employees.

A special anchorage secures the container to the work place, which prevents liquids from spilling.

| Ref.                | 16428  | 16542  | 16543  | 16544  | 16545  | 16546  | 16547  |
|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Ø                   | 98     | 180    | 180    | 233    | 233    | 315    | 315    |
| h <sub>closed</sub> | 81     | 140    | 195    | 174    | 268    | 235    | 365    |
| h <sub>opened</sub> | 171    | 295    | 352    | 383    | 480    | 570    | 700    |
| Liters              | 0.15 L | 2 L    | 3 L    | 5 L    | 8 L    | 12 L   | 20 L   |
| Price               | 233.20 | 248.40 | 284.10 | 306.80 | 366.00 | 448.30 | 488.00 |

Conditions of sale: Net prices.



### STAINLESS STEEL SIEVE FOR ASCO CONTAINER

These sieves fit the above containers.



| Ref.   | 16472  | 16471  | 16457 | 16458 | 16459 | 16460 | 16461  | 16462  |
|--------|--------|--------|-------|-------|-------|-------|--------|--------|
| Liters | 0.15 L | 0.15 L | 2 L   | 3 L   | 5 L   | 8 L   | 12 L   | 20 L   |
| Price  | 144.00 | 63.00  | 67.80 | 72.50 | 83.60 | 90.10 | 134.70 | 140.75 |

Conditions of sale: Net prices.



Only for ref. 16472

With Rilsan coating of solvent-resistant Polyamide. Fineness of the mesh: 0.8 mm. Protects objects from scratches as best as possible.



## Horology vice ASCO mini

Precision vice (14 mm width). Stable base with orientation bowl.

| Ref.  | Designation       | Price  |
|-------|-------------------|--------|
| 16437 | Vice without base | 179.00 |
| 16438 | Removable base    | 86.00  |



Conditions of sale: Net prices.

## Horology vice ASCO

Precision vice (45 mm width). Base in blackened steel, sliding and removable for workbenches.

| Ref.  | Designation    | Price  |
|-------|----------------|--------|
| 16435 | Vice and base  | 291.00 |
| 16436 | Removable base | 55.00  |



Conditions de vente : Discount : 10 % for 10 pieces.

## Pegwood - hornbeam

Round pegwoods to be cut for the lapping or the polishing of pieces.

| Ref.  | Diameter | Packaging            | Price |
|-------|----------|----------------------|-------|
| 07493 | 04.00 mm | 1 packet = 20 pieces | 10.70 |

## Pegwood - Charcoal

Round pegwoods to be cut for the lapping or the polishing of pieces.

| Ref.  | Diameter | Packaging           | Price |
|-------|----------|---------------------|-------|
| 07494 | 2 mm     | Bundle of 10 pieces | 08.80 |
| 07495 | 2.5 mm   | Bundle of 10 pieces | 09.30 |
| 07497 | 4 mm     | Bundle of 10 pieces | 10.00 |
| 07498 | 5 mm     | Bundle of 10 pieces | 11.40 |
| 07499 | 6 mm     | Bundle of 10 pieces | 12.60 |

## Pegwood - hornbeam

Round pegwoods to be cut for the lapping or the polishing of pieces.

| Ref.  | Diameter | Packaging            | Price |
|-------|----------|----------------------|-------|
| 07487 | 2 mm     | 1 packet = 10 pieces | 05.00 |
| 07488 | 2.5 mm   | 1 packet = 10 pieces | 05.00 |
| 07489 | 3 mm     | 1 packet = 10 pieces | 05.00 |
| 07490 | 4 mm     | 1 packet = 10 pieces | 05.00 |
| 07491 | 5 mm     | 1 packet = 10 pieces | 06.00 |
| 07492 | 6 mm     | 1 packet = 10 pieces | 06.80 |



Conditions of sale: Net prices.

October 2023

Others 235



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## Natural Elder

For the cleaning or polishing of small horology pieces

| Ref.  | Diameter | Packaging            | Price |
|-------|----------|----------------------|-------|
| 00318 | 10.00 mm | 1 packet = 10 pieces | 13.50 |

## Brushes

ASCO

N° 1100 FLAT WHITE

*for industry*



| Ref.  | Width | Price |
|-------|-------|-------|
| 00001 | 10    | 32.00 |
| 00002 | 15    | 32.00 |
| 00003 | 20    | 35.00 |
| 00004 | 25    | 39.00 |
| 00005 | 30    | 45.00 |
| 00006 | 35    | 52.00 |
| 00007 | 40    | 57.00 |
| 00008 | 50    | 62.00 |
| 00009 | 60    | 78.00 |

Conditions of sale: Net prices per dozen.

## Brushe

ASCO

N° 1100, FLAT BLACK

***antistatic extra soft bristles***



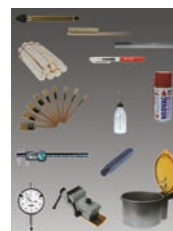
For delicate dusting of surfaces like appliques, dials, horology constituents, etc.

| Ref.  | Width | Price  |
|-------|-------|--------|
| 15211 | 10    | 120.00 |
| 15212 | 20    | 133.00 |

Conditions of sale: Net prices per dozen.

236 Others

September 2023



## Dusting Brush

Brush with natural bristles for the dusting of the working place.

| Ref.  | Size          | Price |
|-------|---------------|-------|
| 15213 | 160 x 70 x 20 | 18.30 |
| 15214 | 160 x 70 x 29 | 23.80 |



## Black Handbrush

This brush with a handle 220 mm long is used in jewellery and horology. The brush has 4 rows of 120 x 16 mm and is made of black natural bristles.

| Ref.  | Hardness   | No | Price |
|-------|------------|----|-------|
| 16500 | extra hard | 0  | 23.45 |
| 16501 | hard       | 1  | 17.00 |
| 16502 | semi-hard  | 2  | 9.45  |
| 16503 | semi-soft  | 3  | 14.55 |



## White Handbrush

This brush with a handle 220 mm long is used in jewellery and horology. The brush has 4 rows of 120 x 16 mm and is made of white natural bristles.

| Ref.  | Hardness   | No | Price |
|-------|------------|----|-------|
| 16510 | extra hard | 0  | 19.70 |
| 16511 | hard       | 1  | 19.95 |
| 16512 | semi-hard  | 2  | 19.70 |
| 16513 | semi-soft  | 3  | 19.80 |
| 16514 | soft       | 4  | 19.80 |

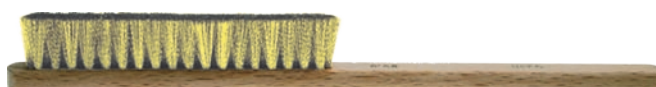


Condition de vente : Les prix s'entendent net.

## Brass Handbrush

This brush with a handle 220 mm long is used in jewellery and horology. The brush has 4 rows of 120 x 16 mm and is made of undulating brass threads.

| Ref.  | Thread diameter | Price |
|-------|-----------------|-------|
| 16504 | 0.06            | 23.75 |
| 16505 | 0.08            | 23.75 |
| 16506 | 0.10            | 22.45 |
| 16507 | 0.12            | 21.45 |
| 16508 | 0.15            | 20.90 |
| 16509 | 0.20            | 19.80 |



Conditions of sale: Net prices.



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AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)

## Pipe

AIR, VACUUM, LIQUID

PVC TRANSPARENT



Flexible PVC pipe, reinforced with Nylon.

Recommended for the air, petrol, refrigerating liquids, alcohol, oil, etc. conduits.

Resisting to temperatures from - 20° C to + 70° C. Ray curvature = 4 - 5 x diameter.

The coil length is 50 m for all the articles of diameter up to 19. For larger diameters (in red), the length is 25 m.

Delivery of a partial coil is not possible.

| Ref.  | Ø <sub>internal</sub> | Ø <sub>external</sub> | P 20°<br>[bar] | P 60°<br>[bar] | Price  |
|-------|-----------------------|-----------------------|----------------|----------------|--------|
| 00620 | 4                     | 10                    |                |                | 60.00  |
| 00621 | 5                     | 11                    | 26             | 8              | 60.00  |
| 00622 | 6                     | 12                    | 23             | 7              | 60.00  |
| 00623 | 8                     | 14                    | 20             | 7              | 150.00 |
| 00624 | 10                    | 16                    | 18             | 6              | 193.00 |
| 00625 | 13                    | 20                    | 16             | 6              | 208.00 |
| 00626 | 16                    | 23                    | 13             | 5              | 251.00 |
| 00627 | 19                    | 27                    | 11             | 5              | 213.00 |
| 00628 | 25                    | 34                    | 7              | 4              | 155.00 |
| 00629 | 32                    | 42                    | 6              | 3              | 213.00 |
| 00630 | 38                    | 48                    | 6              | 3              | 235.00 |

Conditions of sale: Discount: 10 % for 50 m of a single reference.  
15 % for 100 m of a single reference.  
20 % for 200 m of a single reference.  
25 % for 500 m of a single reference.

## Core

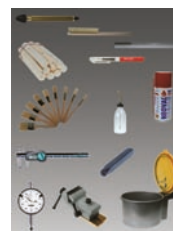
WHITE WEAVED NYLON WITH CORE



| Ref.  | Ø   | Price |
|-------|-----|-------|
| 00633 | 1.0 | 23.00 |
| 00634 | 1.5 | 32.00 |
| 00635 | 2.0 | 34.00 |
| 00636 | 3.0 | 43.00 |
| 00637 | 4.0 | 74.00 |
| 00638 | 5.0 | 93.00 |

Conditions of sale: Net prices per 100 m reel.





## Lacquer

### SURCOLAK

The protection spray produces a dry film containing corrosion inhibitors. It is soluble in water. The liquid allows a more precise application.

| SURCOLAK 23P red- orange |       |          |          |       |
|--------------------------|-------|----------|----------|-------|
| Ref.                     | Type  | Adhesion | Capacity | Price |
| 16537                    | Spray | strong   | 500 ml   | 46.30 |

| PROTEC HV A |        |           |          |        |
|-------------|--------|-----------|----------|--------|
| Ref.        | Type   | Color     | Capacity | Price  |
| 16538       | Spray  | Colorless | 500 ml   | 20.00  |
| 16539       | Spray  | Pink      | 500 ml   | 19.00  |
| 16540       | Liquid | Pink      | 5000 ml  | 160.00 |



Conditions of sale: Net prices.

### NEUTRALÈNE 2005

Cleaning product for the polishing and lapping pastes (does not dissolve the shellac). Security solvent, **very** volatile, fast drying without measurable flash point, for JEMA type machines and ultrasound tanks without heating. It replaces products like benzine, acetone, cleaning alcohols. COV content: 97%

| Ref.  | Designation             | Packaging | Price / L |
|-------|-------------------------|-----------|-----------|
| 16568 | Neutralène 2005         | 5 litres  | 31,80     |
| 16569 | Neutralène 2005         | 25 litres | 19.25     |
| 16572 | COV 97% D = 0.738 kg/Lt |           | 3.00      |



Conditions of sale: Net prices per liter.

### ADDITIVE CADN

Anticorrosion product, water-repellent, additive to solvents Biosane T212 and TE213.

Use: solution 0.5 to 5%.

COV content: 100%.

| Ref.  | Packaging | Price / L |
|-------|-----------|-----------|
| 16570 | 5 litres  | 73.50     |



Conditions of sale: Net prices per liter.

March 2024

Others 239



# Schurch Asco SA



*Partenaire et Savoir-faire*

AV. DU 1ER MARS 33, CP 3052  
CH-2001 NEUCHÂTEL  
SWITZERLAND

PHONE : +41 32 724 3434  
FAX : +41 32 724 3436  
EMAIL : [INFO@SCHURCH-ASCO.COM](mailto:INFO@SCHURCH-ASCO.COM)  
WEB : [WWW.SCHURCH-ASCO.COM](http://WWW.SCHURCH-ASCO.COM)



## GALVEX TM

Low alkaline liquid product used for the removal of light oils, honing oils, polishing pastes and finger marks, by ultrasound.

Without harmful compounds  
Cleaning all types of metals in the same tank  
Excellent emulsification  
Compatible with all metals  
Concentrated pH: 9.8  
Use: 2 to 5%  
Heating 50 to 70 ° C

| Ref.  | Packaging | Price / L |
|-------|-----------|-----------|
| 16579 | 5 liters  | 33.35     |
| 16571 | 25 liters | 22.40     |

Conditions of sale: Net prices per liter.

## GALVEX 20.31



Hot cleaning solution for shellac, lapping and polishing compound.  
Use: 2 to 5% solution, heating to 50 to 70°C.  
Content COV 27%.  
Time 2 to 5 minutes.  
PH (1%) 10-2 Density 1.029.  
Sup. voltage 31.4mN/m

| Ref.  | Packaging                             | Price / L |
|-------|---------------------------------------|-----------|
| 16560 | 5 liters                              | 39.10     |
| 16561 | 25 liters                             | 25.70     |
| 16559 | 25 liters Coulyclean 100 without COV  | 28.30     |
| 16573 | COV 27% D=0.88 kg/Lt<br>Coulyclean100 | 3.00      |

Conditions of sale: Net prices per liter.

## Workbench and chair



Workbench well suited to today watchmaking workshop.

Modular, the work surface can accommodate 1 central drawer and 2 cabinet with drawers (4 drawers and a pull tab) according to production requirements.

Plateau 50 mm thick laminated chipboard. The legs are adjustable in height from 800 to 1050mm.

| Ref.  | Designation                             | Price   |
|-------|---|---------|
| 16690 | Workbench 1400 x 700 + Central Drawer   | 1937.00 |
| 16691 | Workbench + Central Drawer + 1 cabinet  | 2477.00 |
| 16692 | Workbench + Central Drawer + 2 cabinets | 3048.00 |
| 16693 | Wooden chair Watchmaker                 | 506.00  |

Conditions of sale: Net prices  
240 Others

June 2023

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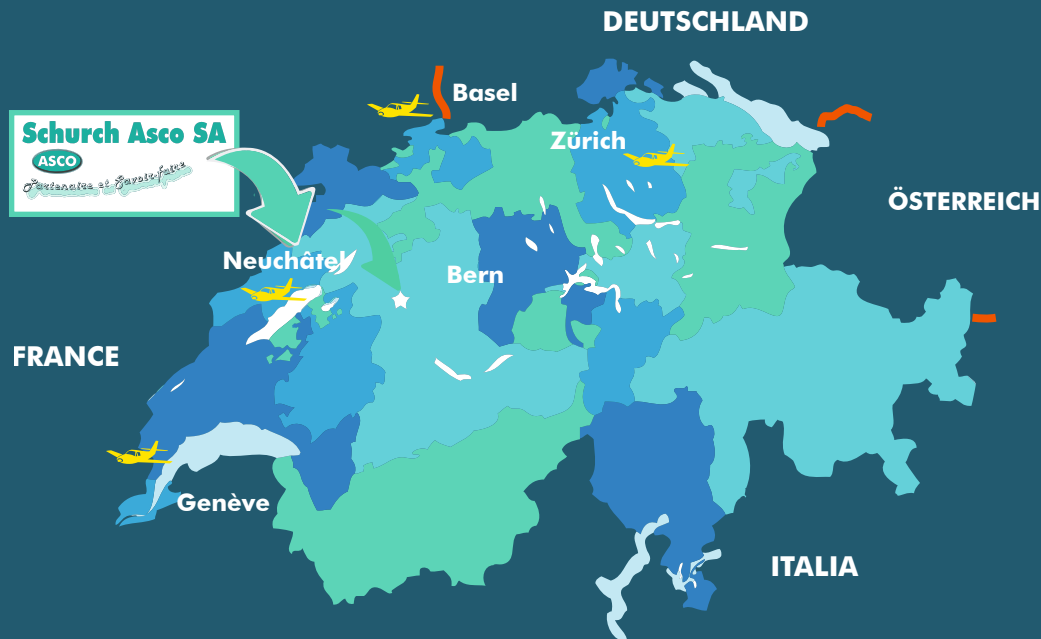








# SITUATION



# ACCES



# HOURS

## OPENING HOURS :

Monday - Thursday : 7H45 - 11H45 & 13H30 - 17H30

Friday : 7H45 - 11H45 & 13H30 - 17H00



# Industrial supplies for the watchmaker

## Schurch Asco SA

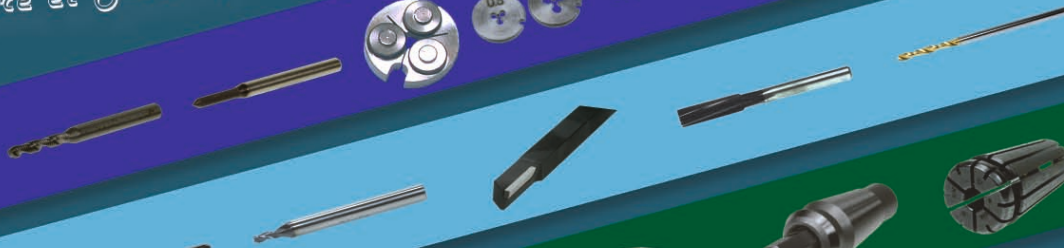
ASCO

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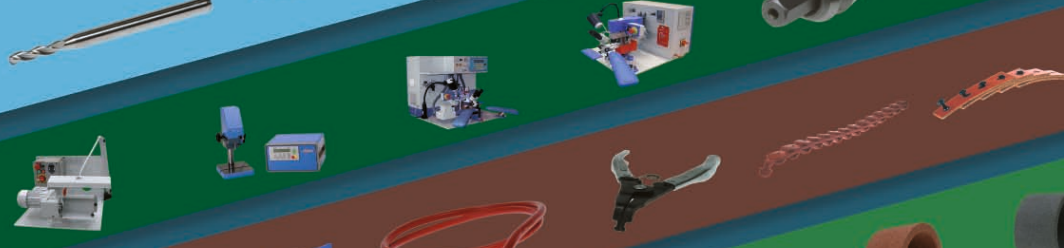
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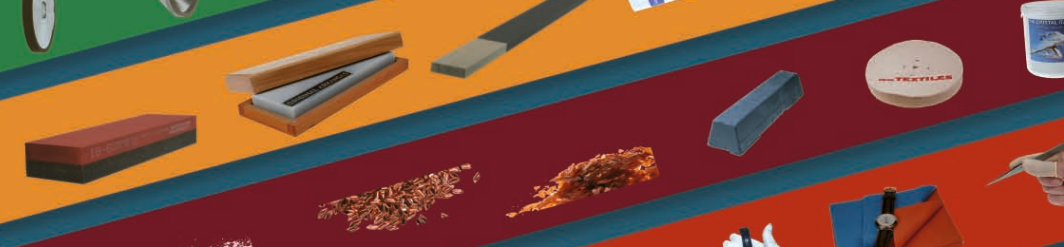
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**Schurch Asco SA**

Av. du 1er Mars 33, CP 3052  
CH-2001 Neuchâtel

SUISSE

Tél : +41 32 724 34 34

Fax : +41 32 724 34 36

Email : [info@schurch-asco.com](mailto:info@schurch-asco.com)

Web : [www.schurch-asco.com](http://www.schurch-asco.com)