



## INDEX MS22-8

Porte-outils

Présentation

## Validité

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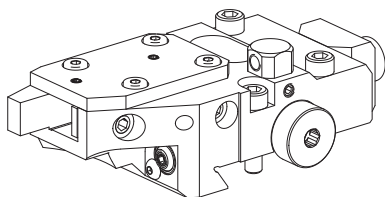
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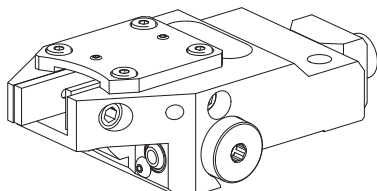
# Porte-outil fixe

## Unités transversale 1.1 - 8.2



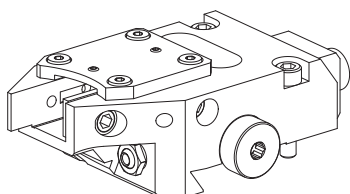
### 10103849 PO de tournage

Fixation	–
Attachement	Carré 12x12
Arrosage	extérieur, $p_{\max}$ 20 bar
X / Y / Z	55 / – / 13 mm



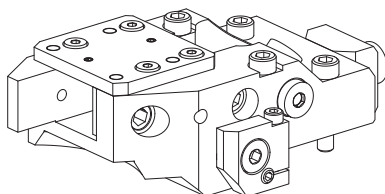
### 10003727 PO de tournage

Fixation	–
Attachement	Carré 16x16
Arrosage	extérieur, $p_{\max}$ 20 bar
X / Y / Z	49,7 / – / 14,5 mm



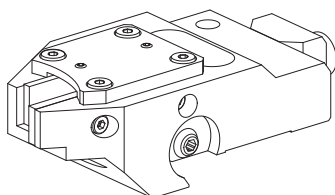
### 12050246 PO de tournage

Fixation	–
Attachement	Carré 16x16
Arrosage	central et extérieur, $p_{\max}$ 80 bar
X / Y / Z	49,2 / – / 14,5 mm



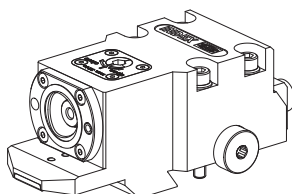
### 10591158 PO de tournage

Fixation	–
Attachement	Carré 20x20
Arrosage	extérieur, $p_{\max}$ 20 bar
X / Y / Z	60 / – / 13 mm



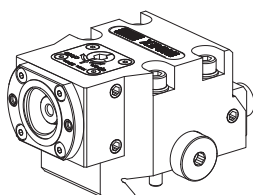
### 10244868 PO de tournage

Fixation	–
Attachement	Carré 16x16
Arrosage	extérieur, $p_{\max}$ 20 bar
X / Y / Z	49,7 / – / 14,5 mm



### 10469477 Unité de serrage, avec butée

Fixation	–
Attachement	INDEX TRAUB CAPTO C3
Arrosage	central, $p_{\max}$ 80 bar
X / Y / Z	46 / – / 33 mm

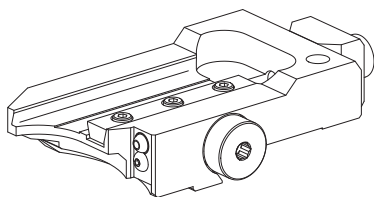


### 10936448 Unité de serrage

Fixation	–
Attachement	INDEX TRAUB CAPTO C3
Arrosage	central, $p_{\max}$ 80 bar
X / Y / Z	28,7 / – / 33 mm

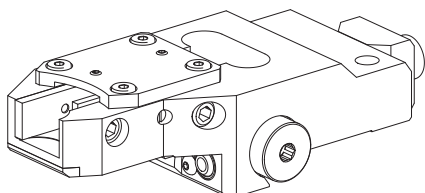
# Porte-outil fixe

## Unités transversale 1.1 - 8.2



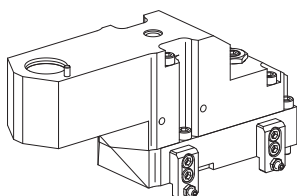
### 10457876 Support outil plong/fonçage

Fixation	–
Attachement	Trapèze 26x4
Arrosage	extérieur, $p_{max}$ 20 bar
X / Y / Z	49,7 / – / 11,5 mm



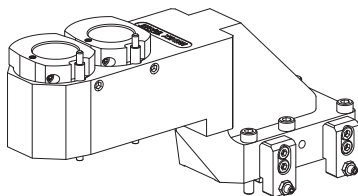
### 10810737 Support outil plongée et butée

Fixation	–
Attachement	Carré 16x16
Arrosage	extérieur, $p_{max}$ 20 bar
X / Y / Z	71,7 / – / 15 mm



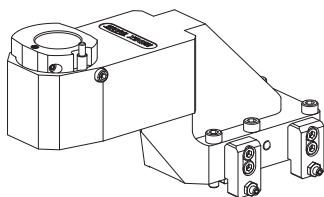
### 10340339 Porte-outil de base

Fixation	–
Attachement	Hydroexpansible D28,5
Arrosage	–
X / Y / Z	82,3 / – / 50 mm



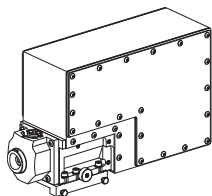
### 10639196 Porte-outil de base, double

Fixation	–
Attachement	Hydroexpansible D28,5
Arrosage	–
X / Y / Z	67,8 + 111,8 / – / 50 mm



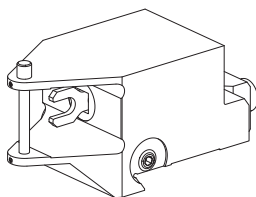
### 10930315 Porte-outil de base

Fixation	–
Attachement	Hydroexpansible D28,5
Arrosage	–
X / Y / Z	82,3 / – / 50 mm



### 10072866 Tourelle pour outils de tourn.

Fixation	–
Attachement	INDEX TRAUB CAPTO C4
Arrosage	–
X / Y / Z	23,9 / – / 50,3 mm

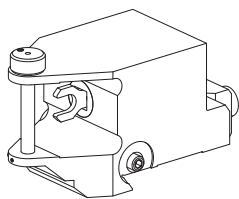


### 12054450 Porte-outil de base

Fixation	–
Attachement	Fette T120
Arrosage	–
X / Y / Z	52 / – / -31 mm

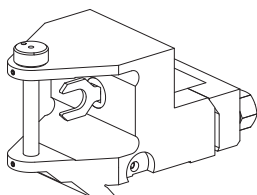
# Porte-outil fixe

## Unités transversale 1.1 - 8.2



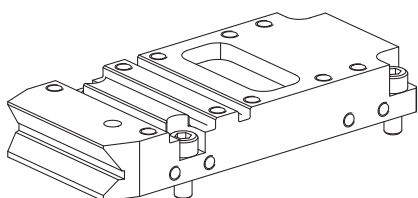
### 12054537 Porte-outil de base

Fixation	–
Attachement	Fette T160
Arrosage	–
X / Y / Z	49 / – / 35 mm



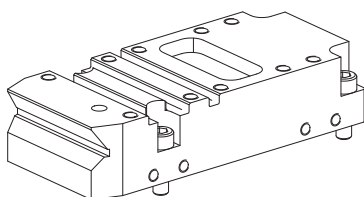
### 12054538 Porte-outil de base

Fixation	–
Attachement	Fette T220
Arrosage	–
X / Y / Z	41 / – / 47 mm



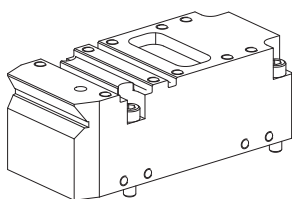
### 10583516 Semelle

Fixation	–
Attachement	–
Arrosage	–
X / Y / Z	– / – / 20 mm



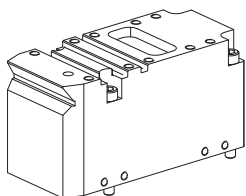
### 10835462 Semelle

Fixation	–
Attachement	–
Arrosage	–
X / Y / Z	– / – / 30 mm



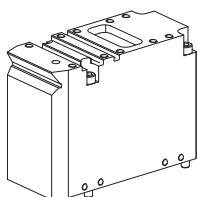
### 10028477 Semelle

Fixation	–
Attachement	–
Arrosage	–
X / Y / Z	– / – / 50 mm



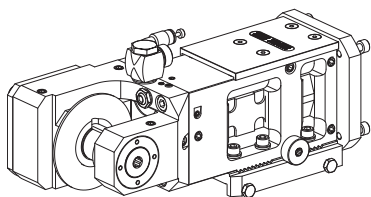
### 10359947 Semelle

Fixation	–
Attachement	–
Arrosage	–
X / Y / Z	– / – / 70 mm



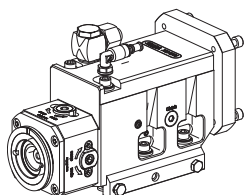
### 10724690 Semelle

Fixation	–
Attachement	–
Arrosage	–
X / Y / Z	– / – / 100 mm



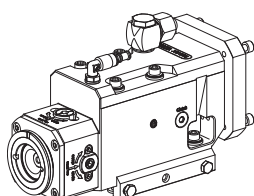
**10048093 Unité de fraisage**

<b>Fixation</b>	–
<b>Attachement</b>	Arbre porte- fraise D22
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	3,5:1 (3,5)
<b>X / Y / Z</b>	79,3 / – / 50 mm



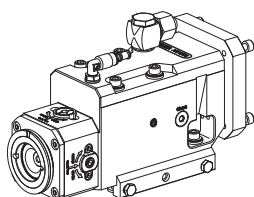
**11093533 Unité de fraisage**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	42,8 / – / 30 mm



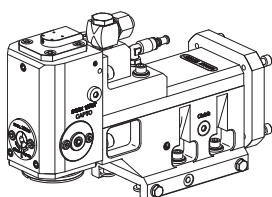
**11089692 Unité de fraisage**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	54,3 / – / 30 mm



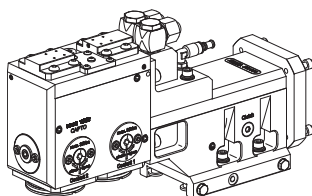
**11089694 Unité de fraisage**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	54,3 / – / 30 mm



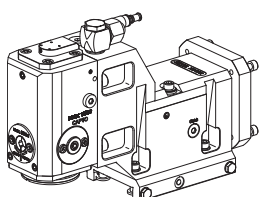
**11093536 Unité de fraisage**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	68,3 / – / 32,5 mm



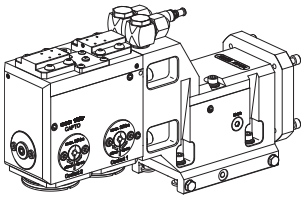
**11093539 Unité de fraisage, double**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	68,3 + 128,3 / – / 32,5 mm



**11093534 Unité de fraisage**

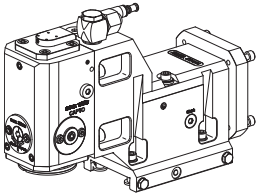
<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	68,3 / – / 32,5 mm



**11093537 Unité de fraisage, double**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	68,3 + 128,3 / – / 32,5 mm

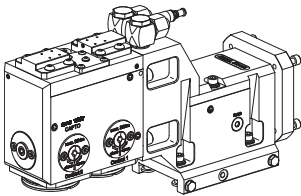
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**11093535 Unité de fraisage**

<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	68,3 / – / 32,5 mm

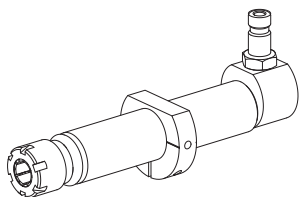
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**11093538 Unité de fraisage, double**

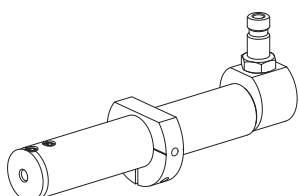
<b>Fixation</b>	–
<b>Attachement</b>	INDEX TRAUB CAPTO C3
<b>Arrosage</b>	central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	68,3 + 128,3 / – / 32,5 mm

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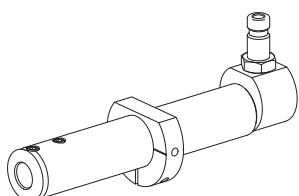
**10672317 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** ER 20  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



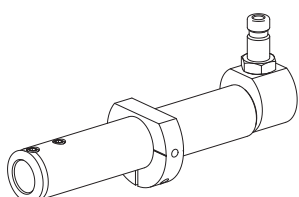
**10188150 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** DIN 1835 B/E D6  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



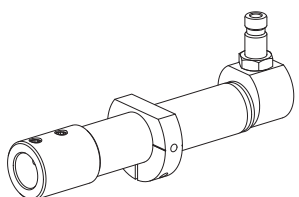
**10480870 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** DIN 1835 B/E D14  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



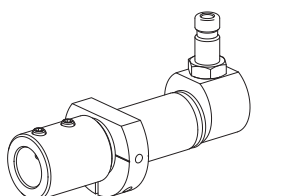
**10219251 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** DIN 1835 B/E D18  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



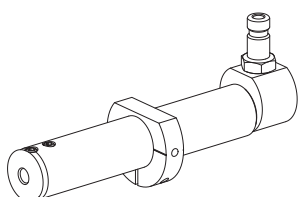
**10617778 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** DIN 1835 B/E D20  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



**10684441 Porte-foret**

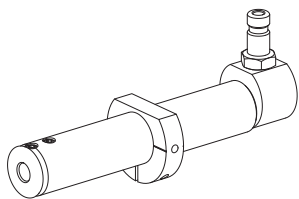
**Fixation** Bague de serrage D28,5  
**Attachement** DIN 1835 B/E D20  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



**11015755 Porte-foret**

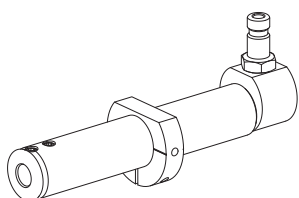
**Fixation** Bague de serrage D28,5  
**Attachement** D8  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm





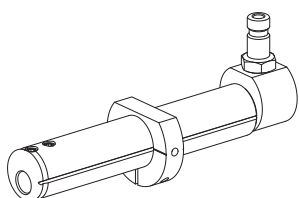
**10258744 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** D10  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



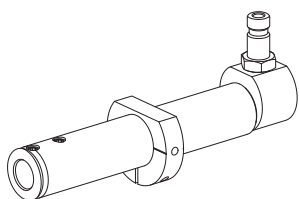
**10218953 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** D12  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



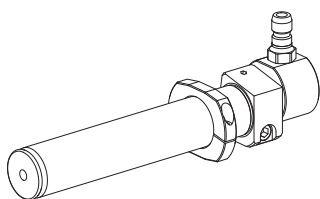
**10852940 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** D12  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** 4 / - / - mm



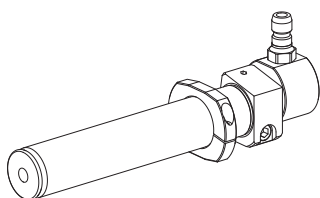
**10139115 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** D16  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



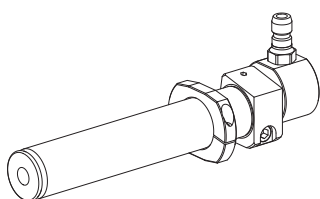
**12008759 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** Hydroexpansible D6  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



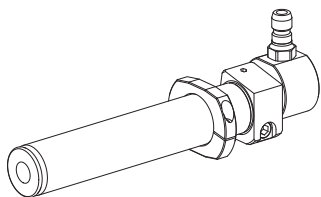
**12034261 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** Hydroexpansible D8  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



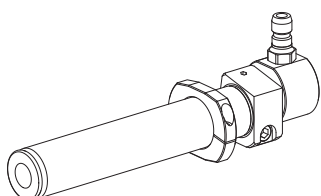
**12028308 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** Hydroexpansible D10  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



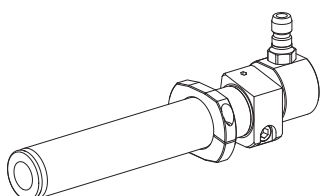
**12028307 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** Hydroexpansible D12  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



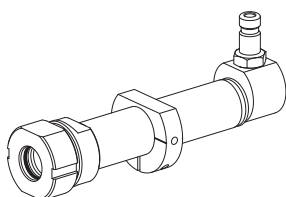
**12034215 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** Hydroexpansible D14  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



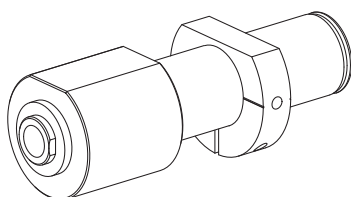
**12028305 Porte-foret**

**Fixation** Bague de serrage D28,5  
**Attachement** Hydroexpansible D16  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



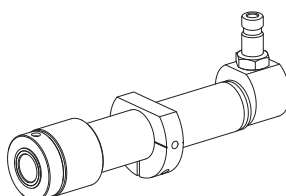
**10132662 Porte-outil de compensation**

**Fixation** Bague de serrage D28,5  
**Attachement** D3/4"  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



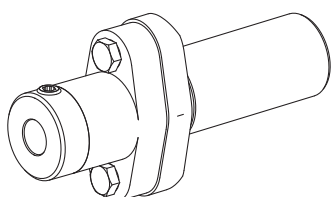
**11016418 Support de pointe de guidage**

**Fixation** Bague de serrage D28,5  
**Attachement** D11,2/Cône 1:7,5  
**Arrosage** -  
**X / Y / Z** - / - / - mm



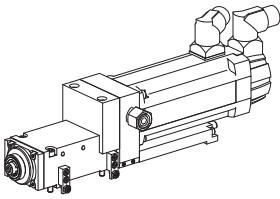
**10270154 Porte-alésoir**

**Fixation** Bague de serrage D28,5  
**Attachement** D16  
**Arrosage** central,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm



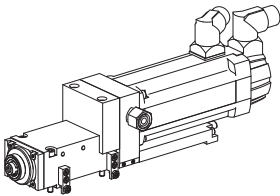
**10796227 Porte-brochage/Porte-mortaise**

**Fixation** Bague de serrage D28,5  
**Attachement** D12  
**Arrosage** -  
**X / Y / Z** 54 / - / - mm



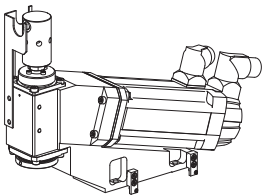
**10299617 Unité de fraisage**

Fixation	–
Attachement	HSK 25 C
Arrosage	central, $p_{\max}$ 30 bar
Rapport vitesse	1:2 (0,5)
X / Y / Z	– / – / – mm



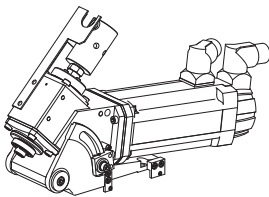
**10442232 Unité de fraisage**

Fixation	–
Attachement	HSK 25 C
Arrosage	extérieur, $p_{\max}$ 30 bar
Rapport vitesse	1:2 (0,5)
X / Y / Z	– / – / – mm



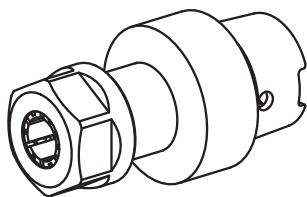
**10470546 Unité de fraisage**

Fixation	–
Attachement	HSK 25 C
Arrosage	central, $p_{\max}$ 30 bar
Rapport vitesse	1:1,69 (0,59)
X / Y / Z	– / – / – mm



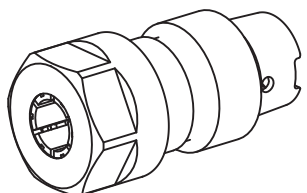
**10246158 Unité de fraisage, à réglage angulaire**

Fixation	–
Attachement	HSK 25 C
Arrosage	central et extérieur, $p_{\max}$ 30 bar
Rapport vitesse	1:1,66 (0,6)
X / Y / Z	– / – / – mm



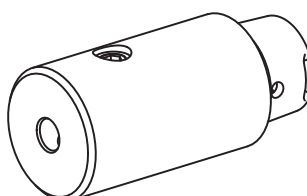
**10362267 Porte-foret**

**Forme** C  
**Attachement** ER 11  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 32,5 / – mm



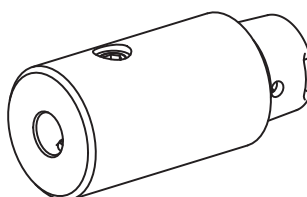
**10851232 Porte-foret**

**Forme** C  
**Attachement** ER 16  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 40 / – mm



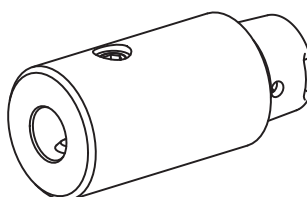
**10088455 Porte-foret**

**Forme** C  
**Attachement** DIN 1835 B/E D6  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 42 / – mm



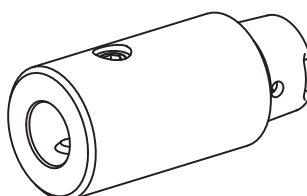
**10227271 Porte-foret**

**Forme** C  
**Attachement** DIN 1835 B/E D8  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 42 / – mm



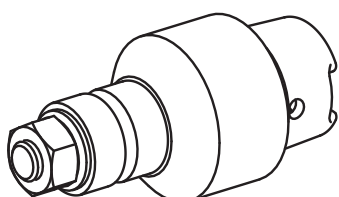
**11010216 Porte-foret**

**Forme** C  
**Attachement** DIN 1835 B/E D10  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 42 / – mm



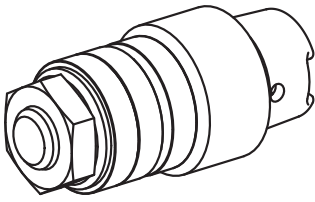
**10180188 Porte-foret**

**Forme** C  
**Attachement** DIN 1835 B/E D12  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 42 / – mm



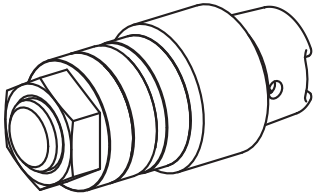
**10145135 Porte-fraise**

**Forme** C  
**Attachement** Arbre porte-fraise D8  
**Arrosage** central,  $p_{\max}$  40 bar  
**X / Z** 24 / – mm



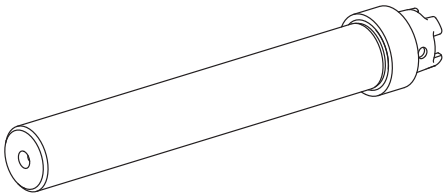
**10053566 Porte-fraise**

Forme	C
Attachement	Arbre porte-fraise D10
Arrosage	central, $p_{max}$ 40 bar
X / Z	19 / – mm



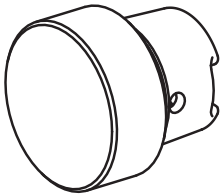
**10357133 Porte-fraise**

Forme	C
Attachement	Arbre porte- fraise D13
Arrosage	central, $p_{max}$ 40 bar
X / Z	20 / – mm



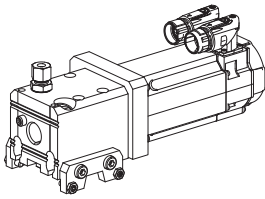
**10454596 Mandrin de contrôle**

Forme	C
Attachement	D20
Arrosage	–
X / Z	140 / – mm



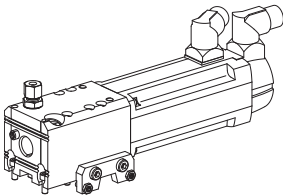
**10325737 Obturateur**

Forme	C
Attachement	–
Arrosage	–
X / Z	10 / – mm



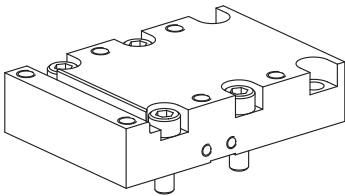
**1066737 Unité d'entraînem. Pour outils**

<b>Fixation</b>	–
<b>Attachement</b>	VDI 20
<b>Arrosage</b>	central, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm



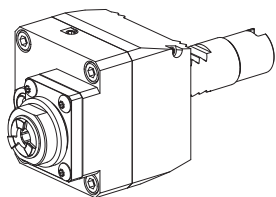
**10850665 Unité d'entraînem. Pour outils, pour la commande C200-sl**

<b>Fixation</b>	–
<b>Attachement</b>	VDI 20
<b>Arrosage</b>	central et extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm



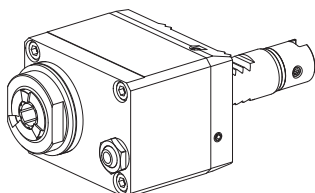
**11094714 Semelle**

<b>Fixation</b>	–
<b>Attachement</b>	–
<b>Arrosage</b>	–
<b>X / Y / Z</b>	– / – / 20 mm



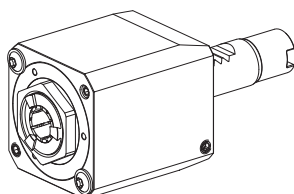
**10652900 Unité de perçage**

Fixation	Denture W
Attachement	ER 11
Arrosage	extérieur, $p_{max}$ 20 bar
Rapport vitesse	1:2,63 (0,38)
X / Y / Z	75 / - / 12,5 mm



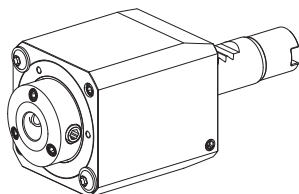
**10645146 Unité de perçage**

Fixation	Denture W
Attachement	ER 16
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	70 / - / 25,5 mm



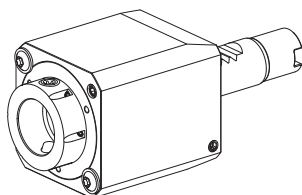
**10848930 Unité de perçage**

Fixation	aucune
Attachement	ER 20
Arrosage	central, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	70 / - / - mm



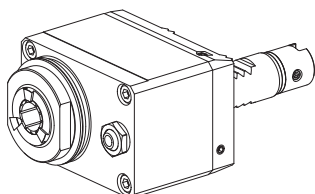
**10890575 Unité de perçage**

Fixation	aucune
Attachement	DIN 1835 B/E D12
Arrosage	central, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	77,5 / - / - mm



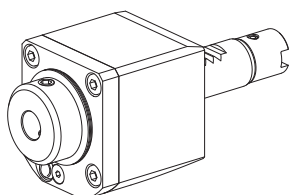
**10646417 Unité de perçage**

Fixation	aucune
Attachement	WFB 24-16
Arrosage	central, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	77 / - / - mm



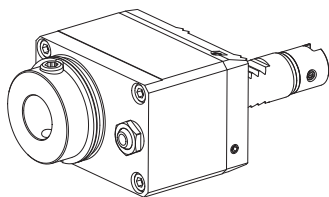
**10246097 Unité de fraisage**

Fixation	Denture W
Attachement	ER 20
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	1,94:1 (1,944)
X / Y / Z	70 / - / 27 mm



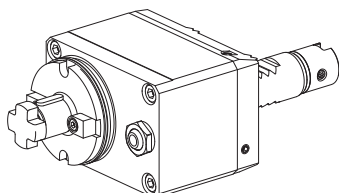
**10411063 Unité de fraisage**

Fixation	aucune
Attachement	DIN 1835 B/E D12
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	70 / - / - mm



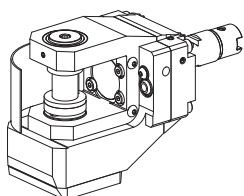
**10643102 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1,94:1 (1,944)
<b>X / Y / Z</b>	76 / - / 27 mm



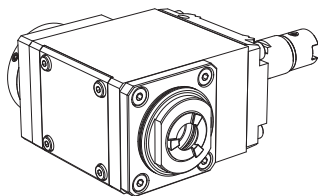
**10202174 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1,94:1 (1,944)
<b>X / Y / Z</b>	67 / - / 27 mm



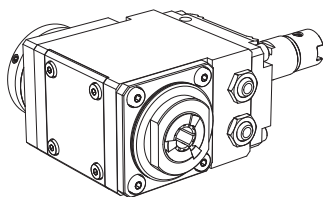
**10051025 Unité de scie circulaire**

<b>Fixation</b>	Denture W
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2,96:1 (2,96)
<b>X / Y / Z</b>	76 / - / - mm



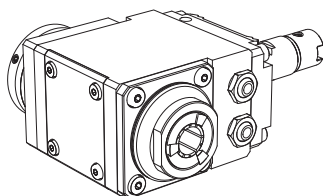
**10966907 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	64 / - / 50 mm



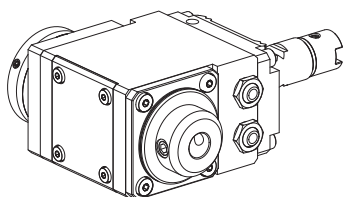
**10354264 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	64 / - / 46,5 mm



**10105063 Unité de fraisage**

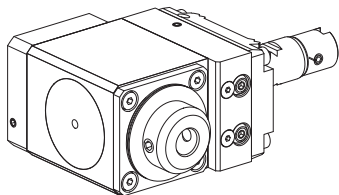
<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	64 / - / 50,5 mm



**10062216 Unité de fraisage**

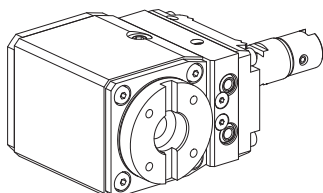
<b>Fixation</b>	Denture W
<b>Attachement</b>	D12
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	64 / - / 54 mm





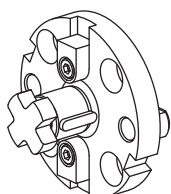
**10354335 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D12,7
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	64 / - / 50 mm



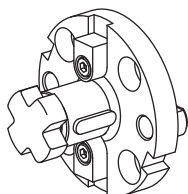
**10393142 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	-
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2,5:1 (2,5)
<b>X / Y / Z</b>	60 / - / 41 mm



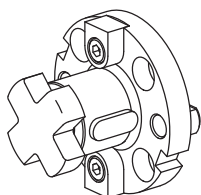
**10670447 Pièce porte- fraise**

<b>Fixation</b>	-
<b>Attachement</b>	Arbre porte- fraise D13
<b>Arrosage</b>	-
<b>X / Y / Z</b>	- / - / - mm



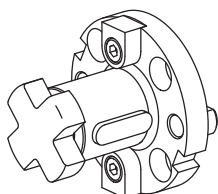
**11041286 Pièce porte- fraise**

<b>Fixation</b>	-
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	-
<b>X / Y / Z</b>	- / - / - mm



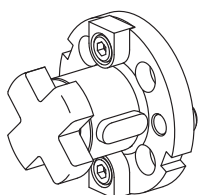
**10435497 Pièce porte- fraise**

<b>Fixation</b>	-
<b>Attachement</b>	Arbre porte- fraise D22
<b>Arrosage</b>	-
<b>X / Y / Z</b>	- / - / - mm



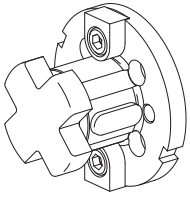
**12011567 Pièce porte- fraise**

<b>Fixation</b>	-
<b>Attachement</b>	Arbre porte- fraise D22
<b>Arrosage</b>	-
<b>X / Y / Z</b>	32,5 / - / - mm



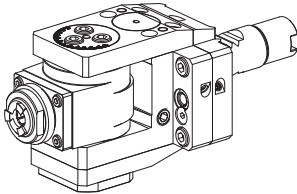
**10807705 Pièce porte- fraise**

<b>Fixation</b>	-
<b>Attachement</b>	Arbre porte- fraise D27
<b>Arrosage</b>	-
<b>X / Y / Z</b>	- / - / - mm



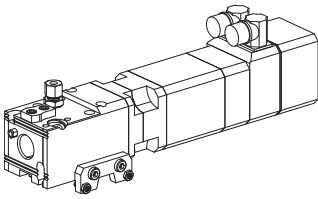
**10223928 Pièce porte- fraise**

<b>Fixation</b>	–
<b>Attachement</b>	Arbre porte- fraise D32
<b>Arrosage</b>	–
<b>X / Y / Z</b>	– / – / – mm



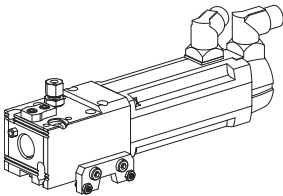
**10593764 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1,88 (0,533)
<b>X / Y / Z</b>	60 / – / – mm



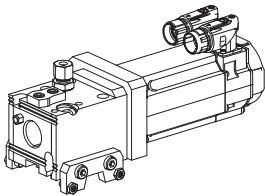
**10872340 Unité d'entraînem. Pour outils**

Fixation	–
Attachement	VDI 25
Arrosage	central et extérieur, $p_{\max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	– / – / 37 mm



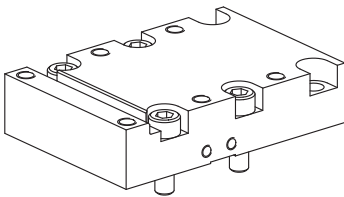
**10024095 Unité d'entraînem. Pour outils, pour la commande C200-sl**

Fixation	–
Attachement	VDI 25
Arrosage	central et extérieur, $p_{\max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	– / – / – mm



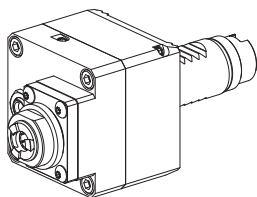
**11010949 Unité d'entraînem. Pour outils**

Fixation	–
Attachement	VDI 25
Arrosage	central, $p_{\max}$ 30 bar
Rapport vitesse	1:1 (1)
X / Y / Z	– / – / – mm



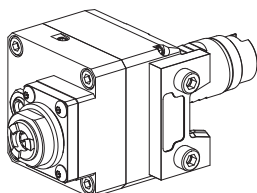
**11094714 Semelle**

Fixation	–
Attachement	–
Arrosage	–
X / Y / Z	– / – / 20 mm



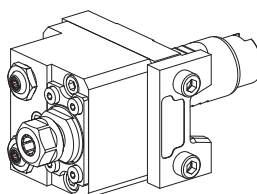
**10898137 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	75 / - / 15 mm



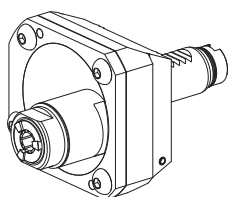
**10418218 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	75 / - / 15 mm



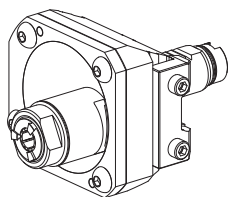
**10648402 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	1:1,33 (0,75)
<b>X / Y / Z</b>	71 / - / 17,5 mm



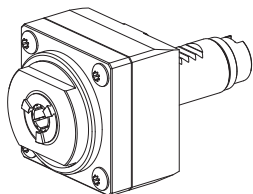
**10444245 Unité de perçage, réglable à la verticale**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	1:2,07 (0,483)
<b>X / Y / Z</b>	85 / - / 22,5 mm



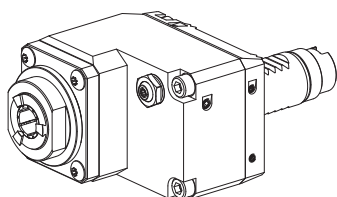
**10701271 Unité de perçage, réglable à la verticale**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	1:2,07 (0,483)
<b>X / Y / Z</b>	85 / $\pm 22,5$ / $\pm 22,5$ mm



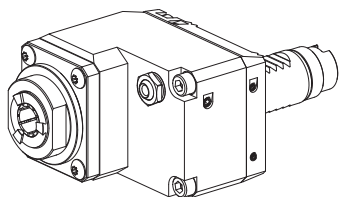
**11050767 Unité de perçage**

<b>Fixation</b>	aucune
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	54 / - / - mm



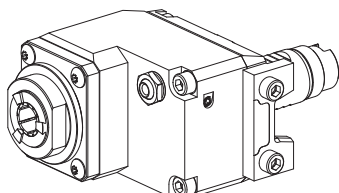
**10205569 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	86,1 / - / 35 mm



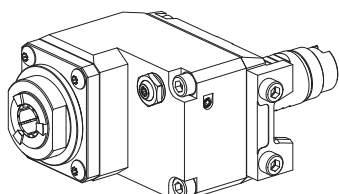
**11005948 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	86,1 / – / 35 mm



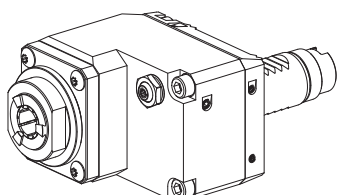
**10385172 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	86,1 / – / 35 mm



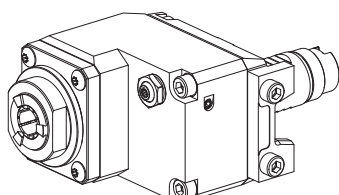
**11016410 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	86,1 / – / 35 mm



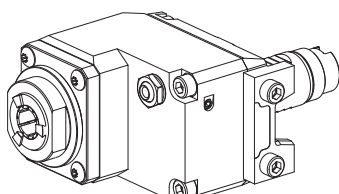
**10380606 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	86,1 / – / 35 mm



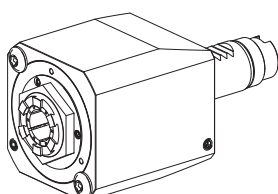
**10767041 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	86,1 / – / 35 mm



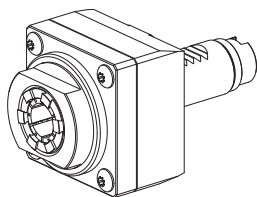
**10892233 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	86 / – / 35 mm



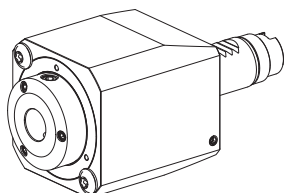
**10506013 Unité de perçage**

<b>Fixation</b>	aucune
<b>Attachement</b>	ER 25
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	81 / – / – mm



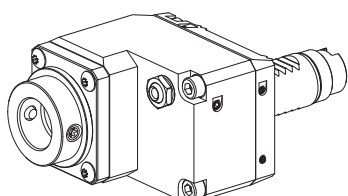
**10828154 Unité de perçage**

<b>Fixation</b>	aucune
<b>Attachement</b>	ER 25
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	57 / - / - mm



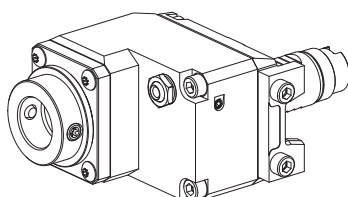
**10161303 Unité de perçage**

<b>Fixation</b>	aucune
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	89 / - / - mm



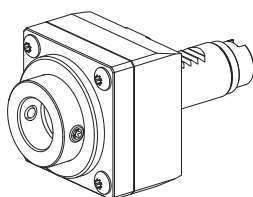
**10415684 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	89,6 / - / 35 mm



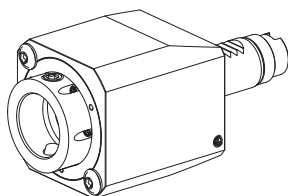
**10535176 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:3 (0,333)
<b>X / Y / Z</b>	89,6 / - / 35 mm



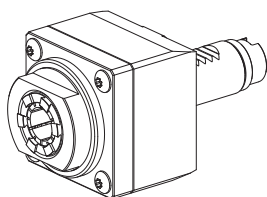
**10275970 Unité de perçage**

<b>Fixation</b>	aucune
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	59 / - / - mm



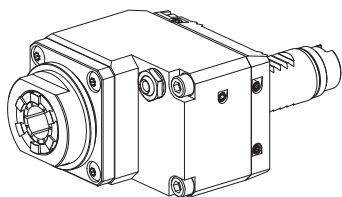
**10857273 Unité de perçage**

<b>Fixation</b>	aucune
<b>Attachement</b>	WFB 32-20
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	90 / - / - mm



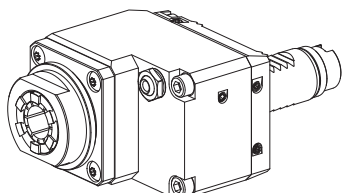
**11067030 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	ER 25
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	67 / - / - mm



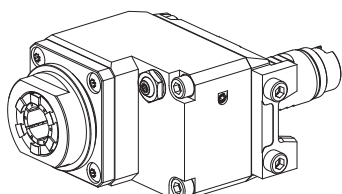
**10716400 Unité de fraisage**

Fixation	Denture W
Attachement	ER 25
Arrosage	central et extérieur, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	89,9 / - / 31 mm



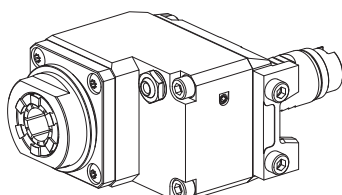
**10991401 Unité de fraisage**

Fixation	Denture W
Attachement	ER 25
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	89,9 / - / 31 mm



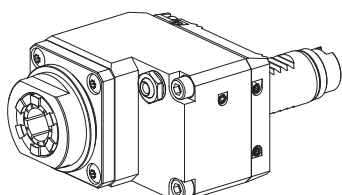
**10031272 Unité de fraisage**

Fixation	Vés
Attachement	ER 25
Arrosage	central et extérieur, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	89,9 / - / 31 mm



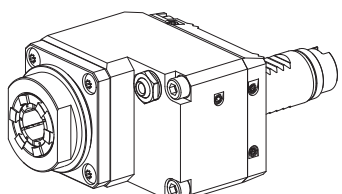
**11030759 Unité de fraisage**

Fixation	Vés
Attachement	ER 25
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	1:1 (1)
X / Y / Z	90 / - / 31 mm



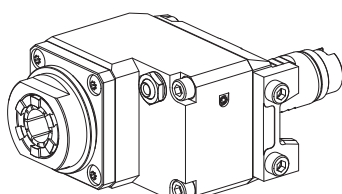
**10265219 Unité de fraisage**

Fixation	Denture W
Attachement	ER 25
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	2:1 (2)
X / Y / Z	89,9 / - / 31 mm



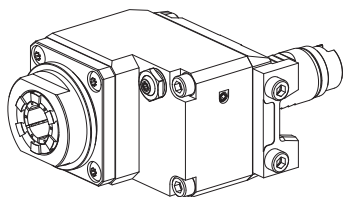
**10322749 Unité de fraisage**

Fixation	Denture W
Attachement	ER 25
Arrosage	central et extérieur, $p_{max}$ 80 bar
Rapport vitesse	2:1 (2)
X / Y / Z	89,9 / - / 31 mm



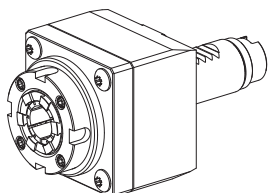
**10907448 Unité de fraisage**

Fixation	Vés
Attachement	ER 25
Arrosage	extérieur, $p_{max}$ 80 bar
Rapport vitesse	2:1 (2)
X / Y / Z	90 / - / 31 mm



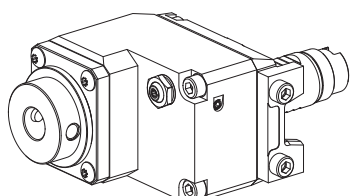
**10987856 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 25
<b>Arrosage</b>	central et extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	89,9 / - / 31 mm



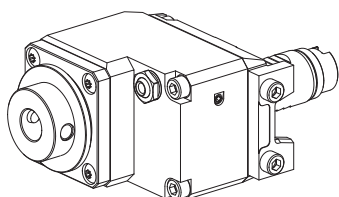
**10292861 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	ER 25 PRECI-FLEX
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	67 / - / - mm



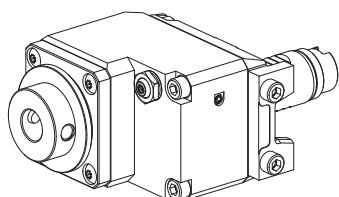
**10748355 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D15
<b>Arrosage</b>	central et extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	89,6 / - / 35 mm



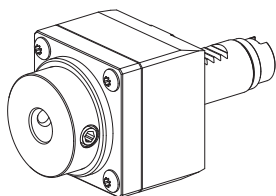
**10345067 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D15
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	91 / - / 31 mm



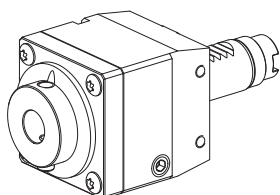
**10409453 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D15
<b>Arrosage</b>	central et extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	90,9 / - / 31 mm



**10202307 Unité de fraisage**

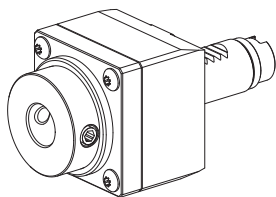
<b>Fixation</b>	aucune
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	72 / - / - mm



**11063004 Unité de fraisage**

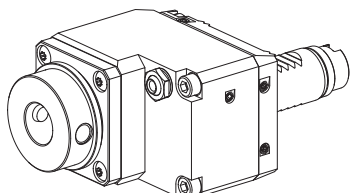
<b>Fixation</b>	-
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, $p_{\max}$ 20 bar
<b>Rapport vitesse</b>	4,5:1 (4,5)
<b>X / Y / Z</b>	83,5 / - / 0 mm





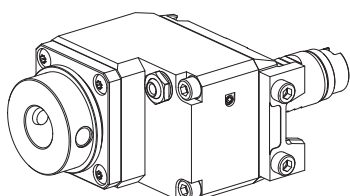
**10307933 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	72 / - / - mm



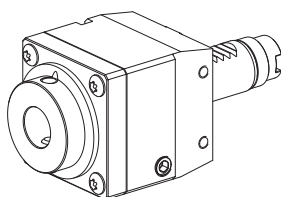
**10719900 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	93 / - / 31 mm



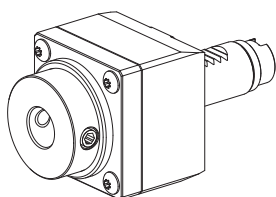
**10642666 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	93 / - / 31 mm



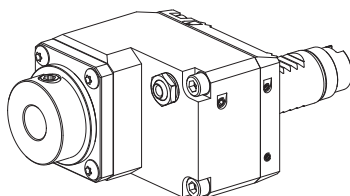
**10591979 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	4,5:1 (4,5)
<b>X / Y / Z</b>	83,5 / - / 0 mm



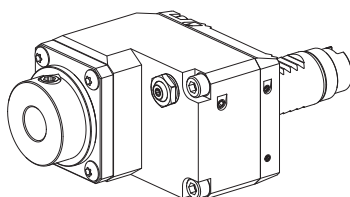
**10857236 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	DIN 1835 B/E D3/4"
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	72 / - / - mm



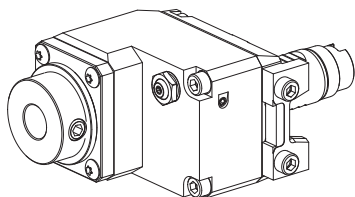
**10136933 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	92 / - / 35 mm



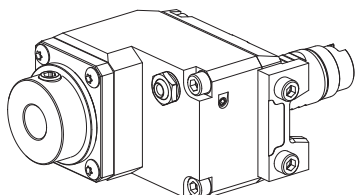
**10410570 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D16
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	92 / - / 35 mm



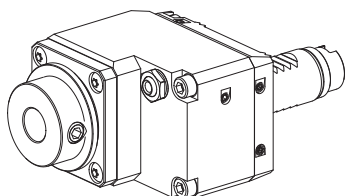
**10480988 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	D16
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	92 / - / 35 mm



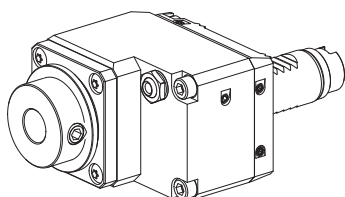
**10790396 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	92 / - / 35 mm



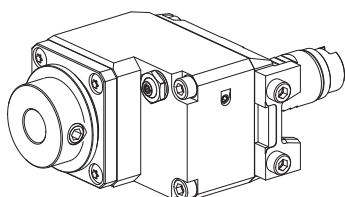
**10420233 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D16
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	93 / - / 31 mm



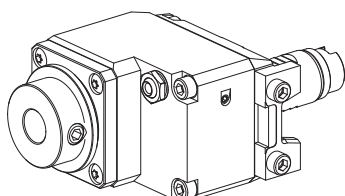
**11062897 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	93 / - / 31 mm



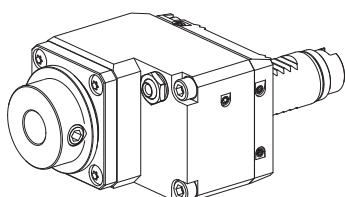
**10860043 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	D16
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	93 / - / 31 mm



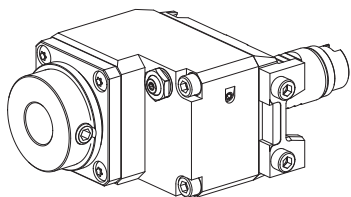
**11043249 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	93 / - / 31 mm



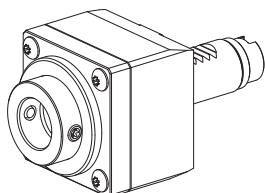
**10038392 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D16
<b>Arrosage</b>	central et extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	93 / - / 31 mm



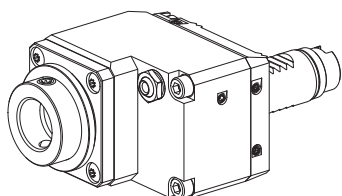
**11090796 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	D20
<b>Arrosage</b>	central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	93 / - / 31 mm



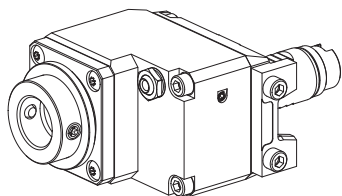
**10801026 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	69 / - / - mm



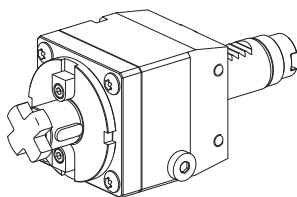
**10061745 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	91,4 / - / 31 mm



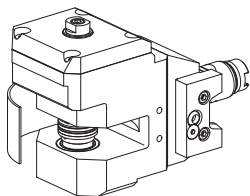
**10411900 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	91 / - / 31 mm



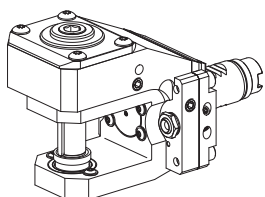
**10425512 Unité de fraisage**

<b>Fixation</b>	aucune
<b>Attachement</b>	Arbre porte- fraise D22
<b>Arrosage</b>	extérieur, $p_{\max}$ 20 bar
<b>Rapport vitesse</b>	4,5:1 (4,5)
<b>X / Y / Z</b>	73,5 / - / 0 mm



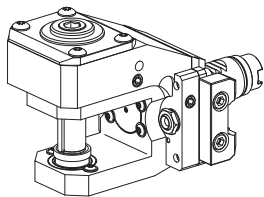
**10403930 Unité de scie circulaire, réglable à la verticale**

<b>Fixation</b>	Vés
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{\max}$ 20 bar
<b>Rapport vitesse</b>	2,05:1 (2,05)
<b>X / Y / Z</b>	79,5 / - / - mm



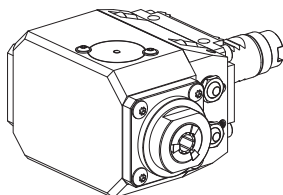
**10546310 Unité de scie circulaire**

<b>Fixation</b>	Denture W
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	3,5:1 (3,5)
<b>X / Y / Z</b>	79 / - / - mm



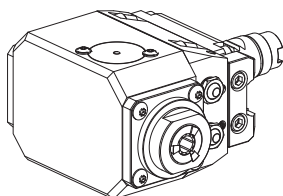
**10444685 Unité de scie circulaire**

<b>Fixation</b>	Vés
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	3,5:1 (3,5)
<b>X / Y / Z</b>	79 / - / - mm



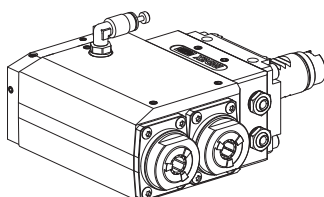
**10793977 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2,88 (0,347)
<b>X / Y / Z</b>	70 / - / 80 mm



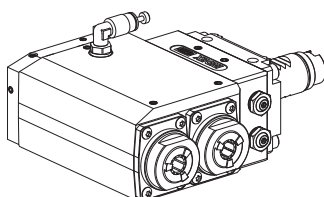
**10293075 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2,88 (0,347)
<b>X / Y / Z</b>	70 / - / 80 mm



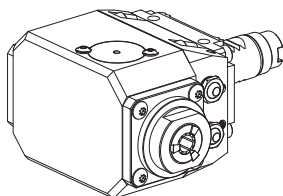
**10037360 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 + 110 / - / 71,3 mm



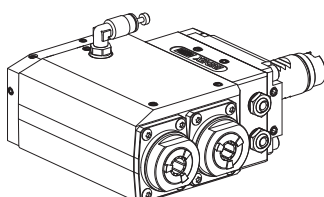
**10163263 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 + 110 / - / 71,3 mm



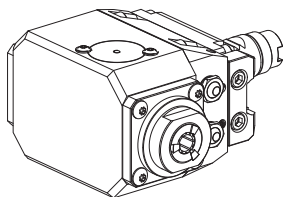
**10363369 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 80 mm



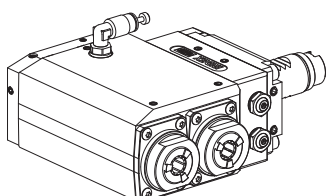
**10115327 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 + 110 / - / 71 mm



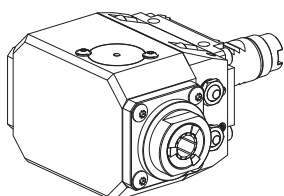
**10298225 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 16
<b>Arrosage</b>	extérieur, en option central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 80 mm



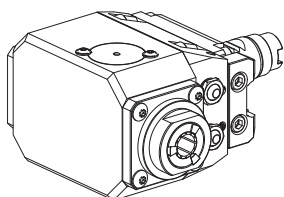
**10835385 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 16
<b>Arrosage</b>	central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 + 110 / - / 71,3 mm



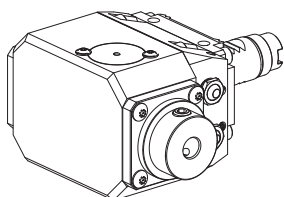
**11064426 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 80 mm



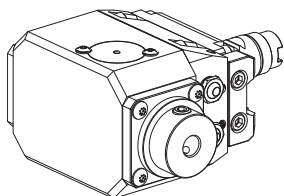
**10303082 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 80 mm



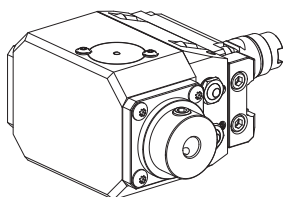
**10180528 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D12
<b>Arrosage</b>	extérieur, en option central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2,88 (0,347)
<b>X / Y / Z</b>	70 / - / 85,5 mm



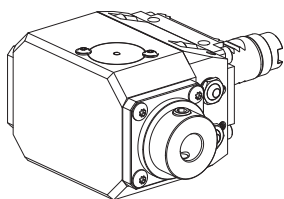
**10826106 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D12
<b>Arrosage</b>	extérieur, en option central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2,88 (0,347)
<b>X / Y / Z</b>	70 / - / 85,5 mm



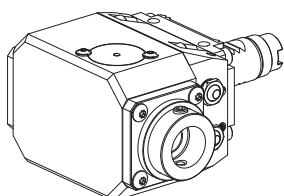
**10665790 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D12
<b>Arrosage</b>	extérieur, en option central, $p_{\max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 85,5 mm



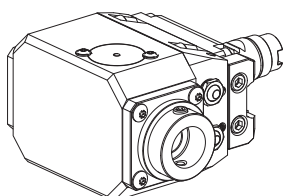
**10822454 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 85,5 mm



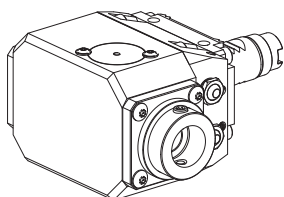
**11024822 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2,88 (0,347)
<b>X / Y / Z</b>	70 / - / 82,5 mm



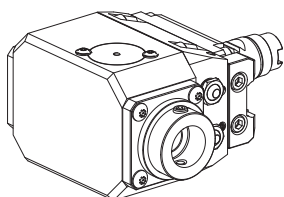
**10860091 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2,88 (0,347)
<b>X / Y / Z</b>	70 / - / 82,5 mm



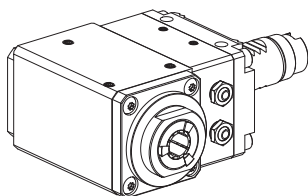
**10592359 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 82,5 mm



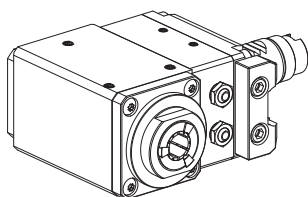
**10512409 Unité de perçage**

<b>Fixation</b>	Vés
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	70 / - / 82,5 mm



**10017916 Unité de fraisage**

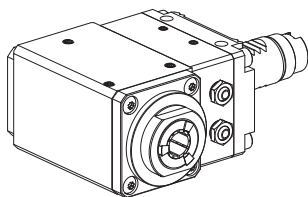
<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 60,5 mm



**10111860 Unité de fraisage**

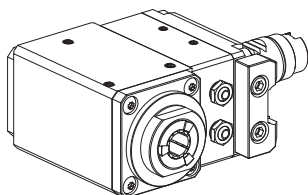
<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 61 mm





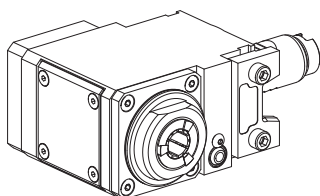
**10362884 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 61 mm



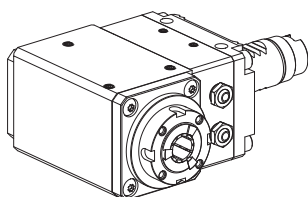
**10356084 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 60,5 mm



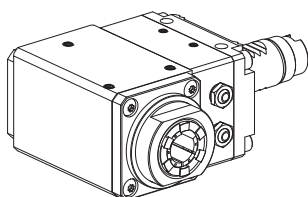
**10764640 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 53 mm



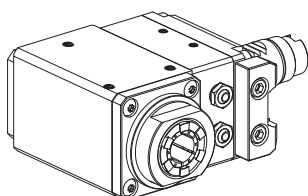
**10689846 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 20 PRECI-FLEX
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 63 mm



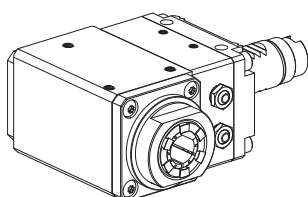
**10392320 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 25
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 64 mm



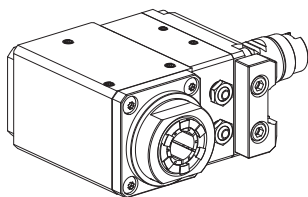
**10892159 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 25
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 64 mm



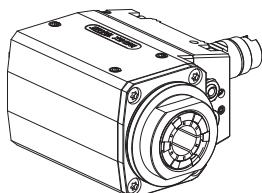
**10079110 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 25
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 64 mm



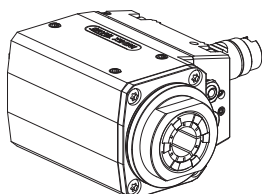
**10941580 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 25
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 64 mm



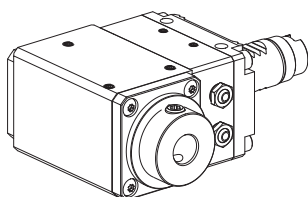
**11164790 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 32
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 90 mm



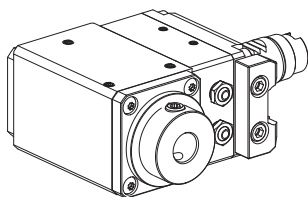
**11164783 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 32
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 90 mm



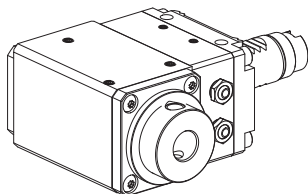
**10425542 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 67 mm



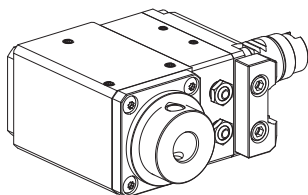
**10517132 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 67 mm



**10702769 Unité de fraisage**

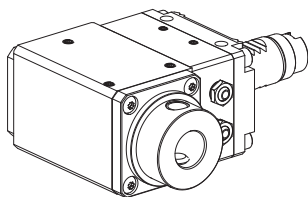
<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 67 mm



**10344410 Unité de fraisage**

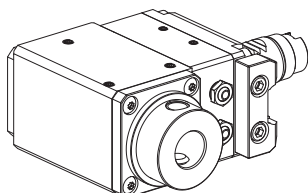
<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 67 mm





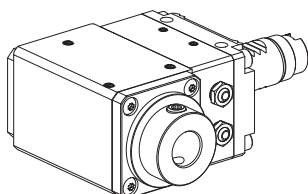
**10444044 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 71 mm



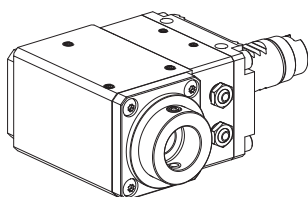
**10975060 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	DIN 1835 B/E D20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 71 mm



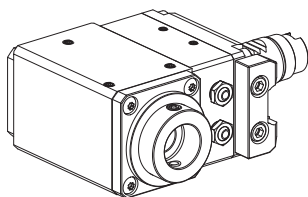
**10721543 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	DIN 1835 B/E D3/4"
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	69,5 / - / 68,5 mm



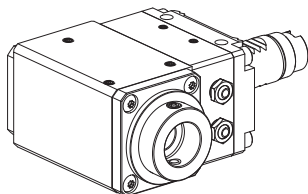
**10169413 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 64,5 mm



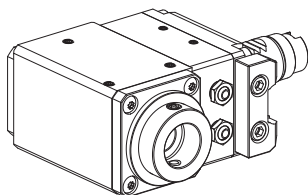
**10193100 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 64,5 mm



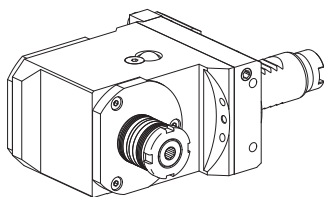
**10216902 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 64,5 mm



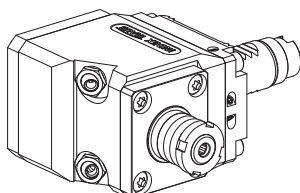
**10196660 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	WFB 24-16
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	70 / - / 64,5 mm



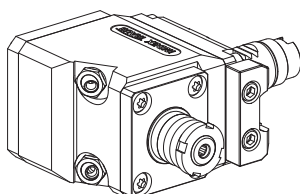
**10305967 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	2,36:1 (2,36)
<b>X / Y / Z</b>	73 / - / 17 mm



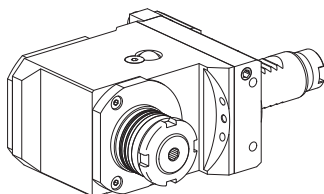
**10483871 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2,5:1 (2,5)
<b>X / Y / Z</b>	55 / - / 45 mm



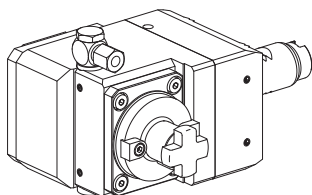
**10272736 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	Arbre porte- fraise D16
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2,5:1 (2,5)
<b>X / Y / Z</b>	55 / - / 45 mm



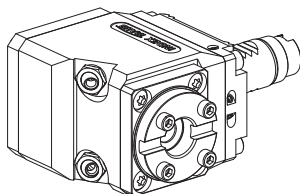
**10783835 Unité de fraisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	Arbre porte- fraise D22
<b>Arrosage</b>	extérieur, $p_{max}$ 20 bar
<b>Rapport vitesse</b>	2,36:1 (2,36)
<b>X / Y / Z</b>	73 / - / 20 mm



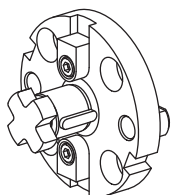
**10356214 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	Arbre porte- fraise D22
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2,5:1 (2,5)
<b>X / Y / Z</b>	75 / - / 41 mm



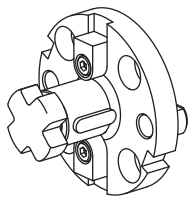
**10838926 Unité de fraisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	-
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	2,5:1 (2,5)
<b>X / Y / Z</b>	55 / - / 53 mm



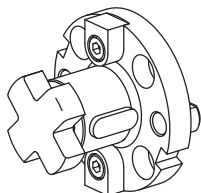
**10670447 Pièce porte- fraise**

<b>Fixation</b>	-
<b>Attachement</b>	Arbre porte- fraise D13
<b>Arrosage</b>	-
<b>X / Y / Z</b>	- / - / - mm



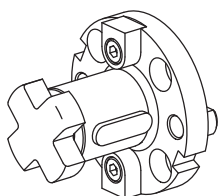
**11041286 Pièce porte- fraise**

**Fixation** –  
**Attachement** Arbre porte- fraise D16  
**Arrosage** –  
**X / Y / Z** – / – / – mm



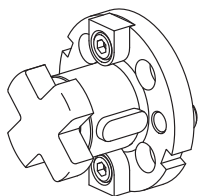
**10435497 Pièce porte- fraise**

**Fixation** –  
**Attachement** Arbre porte- fraise D22  
**Arrosage** –  
**X / Y / Z** – / – / – mm



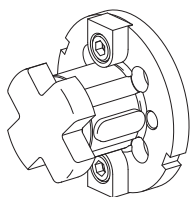
**12011567 Pièce porte- fraise**

**Fixation** –  
**Attachement** Arbre porte- fraise D22  
**Arrosage** –  
**X / Y / Z** 32,5 / – / – mm



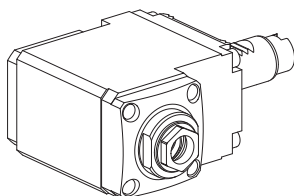
**10807705 Pièce porte- fraise**

**Fixation** –  
**Attachement** Arbre porte- fraise D27  
**Arrosage** –  
**X / Y / Z** – / – / – mm



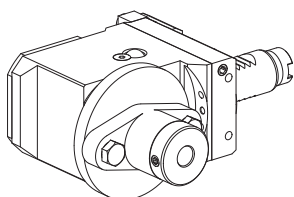
**10223928 Pièce porte- fraise**

**Fixation** –  
**Attachement** Arbre porte- fraise D32  
**Arrosage** –  
**X / Y / Z** – / – / – mm



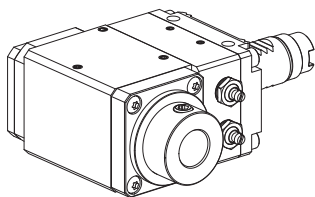
**10390037 Unité de taraudage**

**Fixation** Denture W  
**Attachement** ER 20  
**Arrosage** extérieur,  $p_{max}$  80 bar  
**Rapport vitesse** 2:1 (2)  
**X / Y / Z** 70 / – / 69 mm



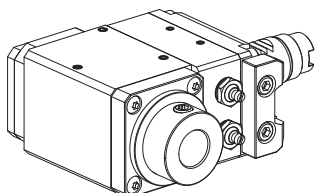
**10622506 Unité de brochage/mortaisage**

**Fixation** Vés  
**Attachement** D12  
**Arrosage** extérieur,  $p_{max}$  20 bar  
**Rapport vitesse** 2,36:1 (2,36)  
**X / Y / Z** 73 / – / 73,6 mm



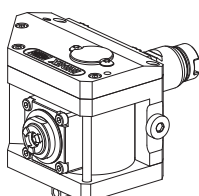
**10766208 Unité de brochage/mortaisage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	D20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 69 mm



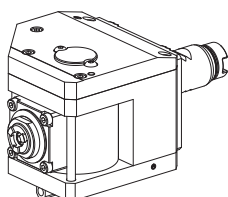
**10971676 Unité de brochage/mortaisage**

<b>Fixation</b>	Vés
<b>Attachement</b>	D20
<b>Arrosage</b>	extérieur, en option central, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	70 / - / 69 mm



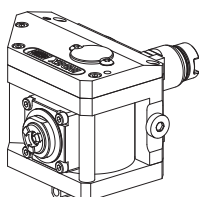
**10558202 Unité de perçage**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1,7 (0,588)
<b>X / Y / Z</b>	44 / - / 37 mm



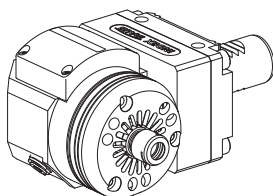
**10566421 Unité de perçage, à réglage angulaire**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1,7 (0,588)
<b>X / Y / Z</b>	67 / - / 24 mm



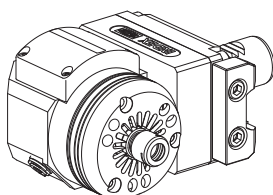
**10345861 Unité de perçage, à réglage angulaire**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 80 bar
<b>Rapport vitesse</b>	1:1,7 (0,588)
<b>X / Y / Z</b>	44 / - / 67 mm



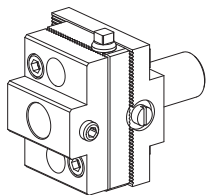
**10646377 Broche fluide, jusqu'à 40.000 1/min**

<b>Fixation</b>	Denture W
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 40 bar
<b>X / Y / Z</b>	70 / - / 64 mm



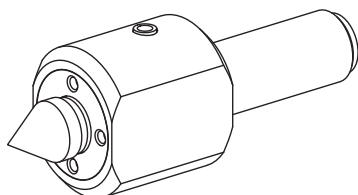
**11095303 Broche fluide, jusqu'à 40.000 1/min**

<b>Fixation</b>	Vés
<b>Attachement</b>	ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 40 bar
<b>X / Y / Z</b>	70 / - / 64 mm



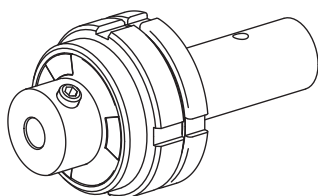
**11074608 Porte-foret, réglable à la verticale**

Fixation	aucune
Attachement	D15
Arrosage	–
X / Y / Z	48 / – / – mm



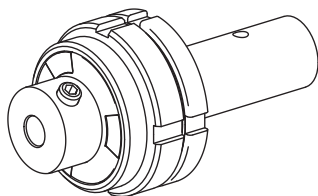
**10376272 Support de pointe de guidage, sur ressort, rotative**

Fixation	aucune
Attachement	MK0
Arrosage	–
X / Y / Z	61 / – / – mm



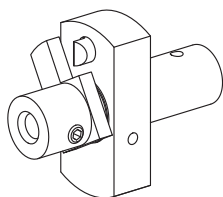
**10398672 Porte-taraud, à déclenchement**

Fixation	aucune
Attachement	D8
Arrosage	–
X / Y / Z	41 / – / – mm



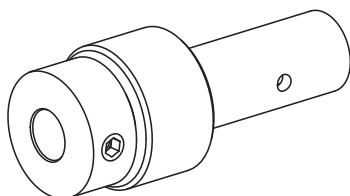
**10646298 Porte-taraud, à déclenchement**

Fixation	aucune
Attachement	D8
Arrosage	–
X / Y / Z	41 / – / – mm



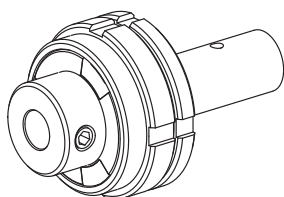
**10955662 Porte-taraud, à déclenchement**

Fixation	aucune
Attachement	D8
Arrosage	–
X / Y / Z	38 / – / – mm



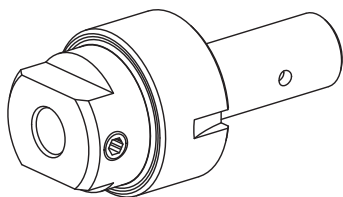
**10022420 Porte-taraud, extensible**

Fixation	aucune
Attachement	D12
Arrosage	–
X / Y / Z	36 / – / – mm



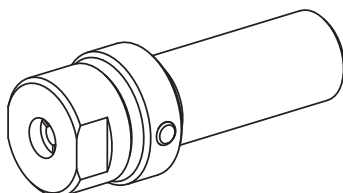
**10367051 Porte-taraud, à déclenchement**

Fixation	aucune
Attachement	D12
Arrosage	–
X / Y / Z	41 / – / – mm



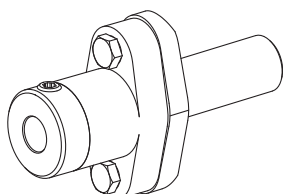
**10691613 Porte-taraud, extensible**

Fixation aucune  
Attachement D12  
Arrosage –  
X / Y / Z 41 / – / – mm



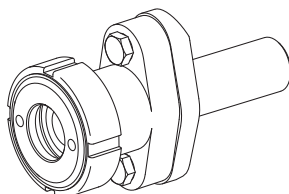
**10114544 Porte-taraud, extensible**

Fixation aucune  
Attachement –  
Arrosage –  
X / Y / Z 26 / – / – mm



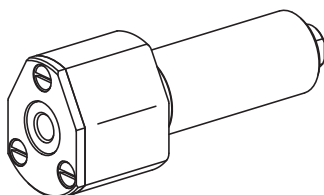
**10852881 Porte-brochage/Porte-mortaise, flottant, rotative**

Fixation aucune  
Attachement D12  
Arrosage –  
X / Y / Z 52 / – / – mm



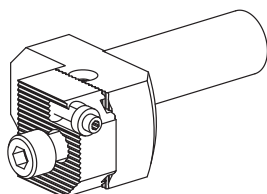
**10694118 Porte-brochage/Porte-mortaise, flottant, rotative**

Fixation aucune  
Attachement D24  
Arrosage –  
X / Y / Z 55 / – / – mm



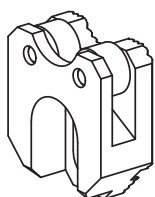
**10497461 Porte-guide**

Fixation aucune  
Attachement D6  
Arrosage –  
X / Y / Z 27 / – / – mm



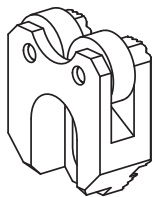
**10974901 Porte-guide, réglable**

Fixation aucune  
Attachement D12  
Arrosage –  
X / Y / Z 34 / – / – mm



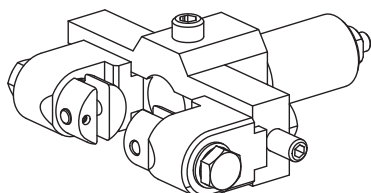
**10686673 Pièce de maintien des galets**

Fixation –  
Attachement –  
Arrosage –  
X / Y / Z – / – / – mm



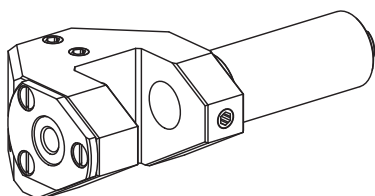
**11071318 Pièce de maintien des galets**

**Fixation** –  
**Attachement** –  
**Arrosage** –  
**X / Y / Z** – / – / – mm



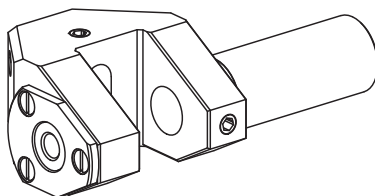
**10126683 Porte-outil moleté, réglable**

**Fixation** aucune  
**Attachement** D2-24  
**Arrosage** –  
**X / Y / Z** 51 / – / – mm



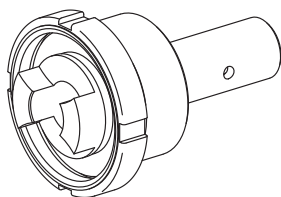
**10900179 PO de tournage et de guidage**

**Fixation** aucune  
**Attachement** D6  
**Arrosage** –  
**X / Y / Z** 48 / – / – mm



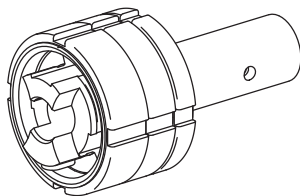
**11045363 PO de tournage et de guidage**

**Fixation** aucune  
**Attachement** D6  
**Arrosage** –  
**X / Y / Z** 48 / – / – mm



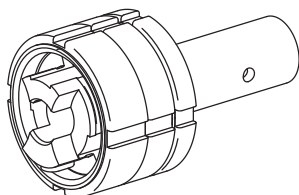
**10612591 Porte-taraud à compensation, extensible**

**Fixation** aucune  
**Attachement** Filet scie S48x1,5  
**Arrosage** –  
**X / Y / Z** 38 / – / – mm



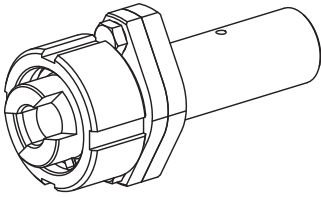
**10218668 Porte-taraud à compensation, à déclenchement**

**Fixation** aucune  
**Attachement** Filet scie S38x1,5  
**Arrosage** –  
**X / Y / Z** 38 / – / – mm



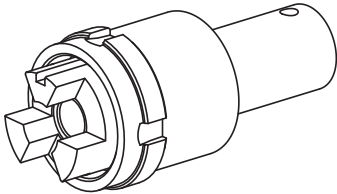
**10320599 Porte-taraud à compensation, à déclenchement**

**Fixation** aucune  
**Attachement** Filet scie S38x1,5  
**Arrosage** –  
**X / Y / Z** 38 / – / – mm



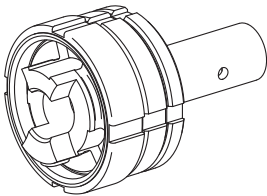
**10949890 Porte-taraud à compensation, extensible**

<b>Fixation</b>	aucune
<b>Attachement</b>	M28x1
<b>Arrosage</b>	–
<b>X / Y / Z</b>	38 / – / – mm



**10448210 Porte-taraud à compensation, extensible**

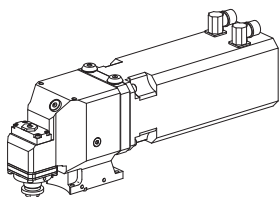
<b>Fixation</b>	aucune
<b>Attachement</b>	M29x1
<b>Arrosage</b>	–
<b>X / Y / Z</b>	43 / – / – mm



**10247273 Porte-taraud à compensation, à déclenchement**

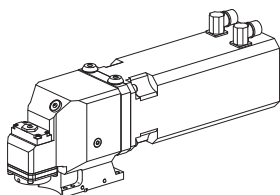
<b>Fixation</b>	aucune
<b>Attachement</b>	M48x1,5
<b>Arrosage</b>	–
<b>X / Y / Z</b>	41 / – / – mm





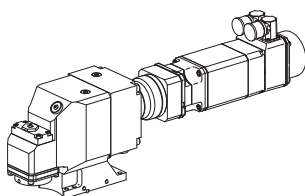
## 10098017 Unité de polygonage

<b>Fixation</b>	–
<b>Attachement</b>	INDEX KK-32
<b>Arrosage</b>	extérieur, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm



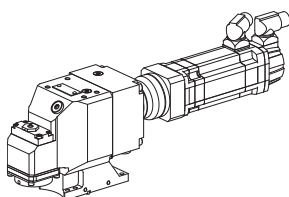
## 10973223 Unité de polygonage

<b>Fixation</b>	–
<b>Attachement</b>	INDEX KK-32
<b>Arrosage</b>	extérieur, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm



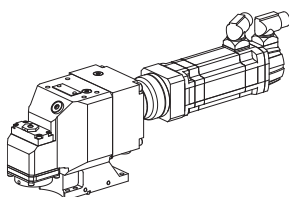
## 10889230 Unité de polygonage

<b>Fixation</b>	–
<b>Attachement</b>	INDEX KK-32
<b>Arrosage</b>	extérieur, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	5:1 (5)
<b>X / Y / Z</b>	– / – / – mm



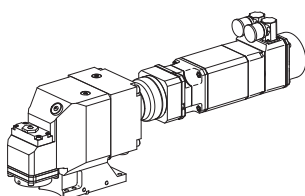
## 10989902 Unité de polygonage, pour la commande C200-sl

<b>Fixation</b>	–
<b>Attachement</b>	INDEX KK-32
<b>Arrosage</b>	extérieur, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	5:1 (5)
<b>X / Y / Z</b>	– / – / – mm



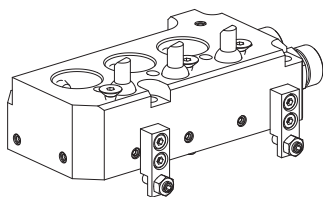
## 1095783 Unité de polygonage, pour la commande C200-sl

<b>Fixation</b>	–
<b>Attachement</b>	INDEX KK-32
<b>Arrosage</b>	extérieur, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	7:1 (7)
<b>X / Y / Z</b>	– / – / – mm



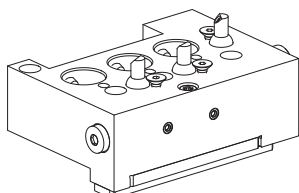
## 10970341 Unité de polygonage

<b>Fixation</b>	–
<b>Attachement</b>	INDEX KK-32
<b>Arrosage</b>	extérieur, $p_{\max}$ 30 bar
<b>Rapport vitesse</b>	7:1 (7)
<b>X / Y / Z</b>	– / – / – mm



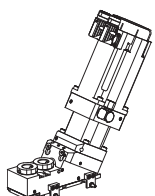
### 10123787 Unité de reprise

<b>Fixation</b>	–
<b>Attachement</b>	Pièce porte-foret D22
<b>Arrosage</b>	central et extérieur, $p_{max}$ 40 bar, AC 80 bar
<b>X / Y / Z</b>	– / – / – mm



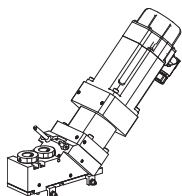
### 10168590 Unité de reprise

<b>Fixation</b>	–
<b>Attachement</b>	Pièce porte-foret D22
<b>Arrosage</b>	extérieur, $p_{max}$ 30 bar
<b>X / Y / Z</b>	– / – / – mm



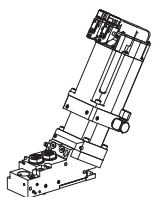
### 10397072 Unité de reprise, position de broche 3

<b>Fixation</b>	–
<b>Attachement</b>	WFB 20-12
<b>Arrosage</b>	extérieur, $p_{max}$ 30 bar
<b>Rapport vitesse</b>	1:1,8 (0,555)
<b>X / Y / Z</b>	– / – / – mm



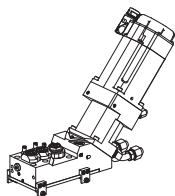
### 10362096 Unité de reprise

<b>Fixation</b>	–
<b>Attachement</b>	WFB 20-12
<b>Arrosage</b>	extérieur, $p_{max}$ 30 bar
<b>Rapport vitesse</b>	2:1 (2)
<b>X / Y / Z</b>	– / – / – mm



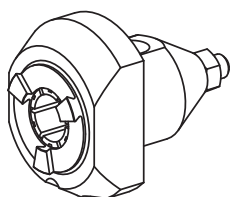
### 11059380 Unité de reprise

<b>Fixation</b>	–
<b>Attachement</b>	1x D22 – 2x ER 11
<b>Arrosage</b>	extérieur, $p_{max}$ 30 bar
<b>Rapport vitesse</b>	1:2 (0,5)
<b>X / Y / Z</b>	– / – / – mm



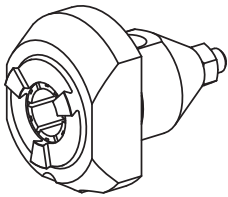
### 10026174 Unité de reprise

<b>Fixation</b>	–
<b>Attachement</b>	2x D22 – 1x WFB 20-12
<b>Arrosage</b>	central et extérieur, $p_{max}$ 30 bar
<b>Rapport vitesse</b>	1:1,90 (0,526)
<b>X / Y / Z</b>	– / – / – mm

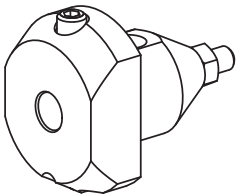


### 10417636 Pièce porte-foret

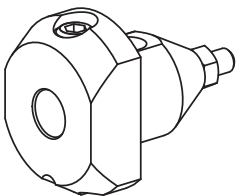
<b>Fixation</b>	Queue D22
<b>Attachement</b>	ER 16
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm

**10757759 Pièce porte-foret, scellé**

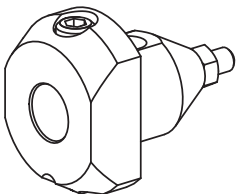
<b>Fixation</b>	Queue D22
<b>Attachement</b>	ER 16
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm

**10884793 Pièce porte-foret**

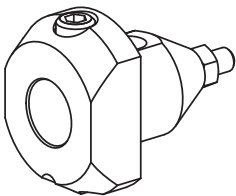
<b>Fixation</b>	Queue D22
<b>Attachement</b>	D8
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm

**11168823 Pièce porte-foret**

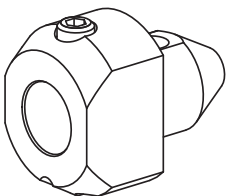
<b>Fixation</b>	Queue D22
<b>Attachement</b>	D10
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm

**10406274 Pièce porte-foret**

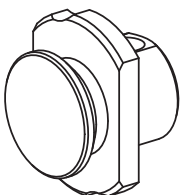
<b>Fixation</b>	Queue D22
<b>Attachement</b>	D12
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm

**10336013 Pièce porte-foret**

<b>Fixation</b>	Queue D22
<b>Attachement</b>	D14
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm

**10246879 Pièce porte-foret**

<b>Fixation</b>	Queue D22
<b>Attachement</b>	D16
<b>Arrosage</b>	–
<b>X / Y / Z</b>	21 / – / – mm

**10633382 Obturateur**

<b>Fixation</b>	Queue D22
<b>Attachement</b>	–
<b>Arrosage</b>	–
<b>X / Y / Z</b>	13 / – / – mm



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