



INDEX MS22-6

Porte-outils

Présentation

Validité

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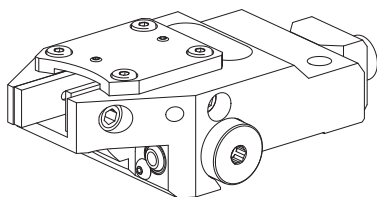
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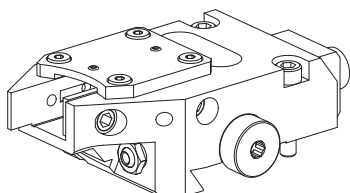
Porte-outil fixe

Unités transversale 1.1 - 6.2



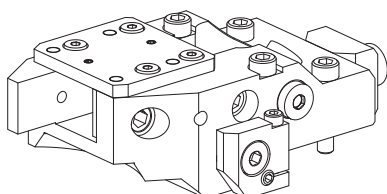
10003727 PO de tournage

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



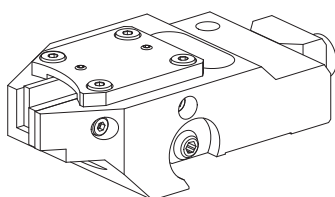
12050246 PO de tournage

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



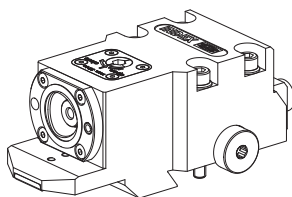
10591158 PO de tournage

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



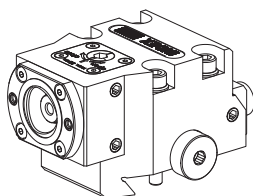
10244868 PO de tournage

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



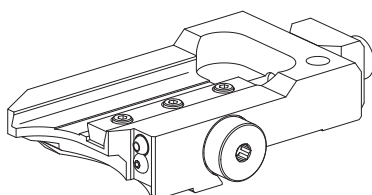
10469477 Unité de serrage, avec butée

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



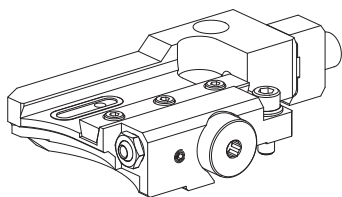
10936448 Unité de serrage

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



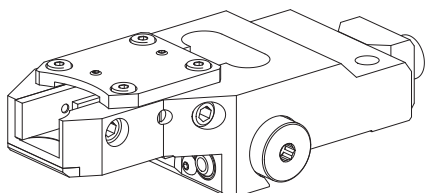
10457876 Support outil plong/fonçage

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



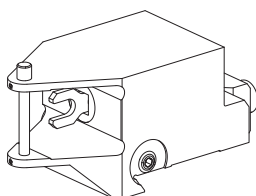
12008163 Support outil plong/fonçage

Fixation	–
Attachement	Trapèze 26x8
Arrosage	central et extérieur, p_{max} 80 bar
X / Y / Z	41 / – / 11,5 mm



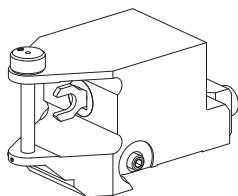
10810737 Support outil plongée et butée

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



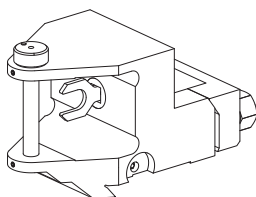
12054450 Porte-outil de base

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



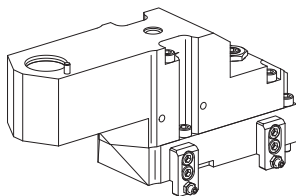
12054537 Porte-outil de base

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



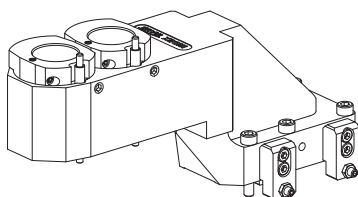
12054538 Porte-outil de base

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



10340339 Porte-outil de base

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

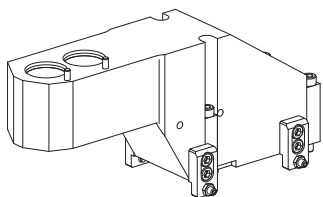


10639196 Porte-outil de base, double

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

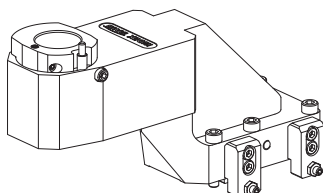
Porte-outil fixe

Unités transversale 1.1 - 6.2



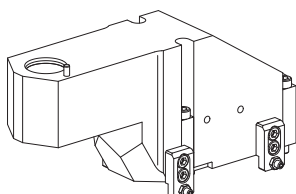
10918415 Porte-outil de base, double

Fixation	–
Attachement	Hydroexpansible D28,5
Arrosage	–
X / Y / Z	67,8 + 101,8 / – / 50 mm



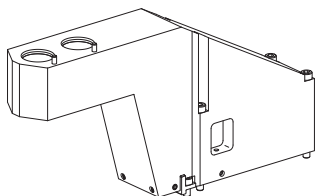
10930315 Porte-outil de base

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



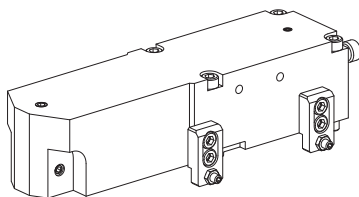
10941035 Porte-outil de base

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



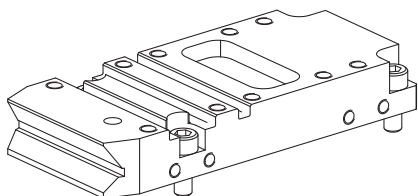
10311030 Porte-outil de base, double

Fixation	–
Attachement	Hydroexpansible D28,5
Arrosage	–
X / Y / Z	67,8 + 113,3 / – / 105 mm



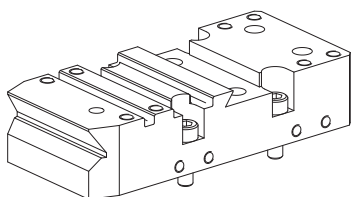
10284879 Porte-foret

Fixation	–
Attachement	D20
Arrosage	central, p_{max} 80 bar
X / Y / Z	108 / – / – mm



10583516 Semelle

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

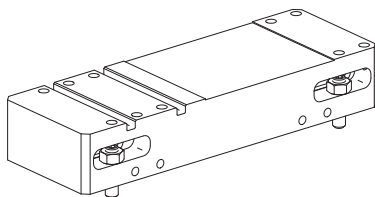


10008391 Semelle

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

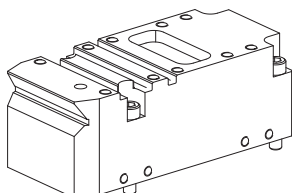
Porte-outil fixe

Unités transversale 1.1 - 6.2



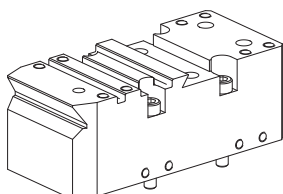
10278087 Semelle

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



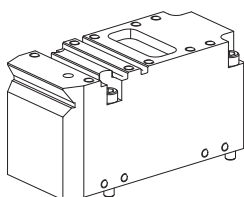
10028477 Semelle

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



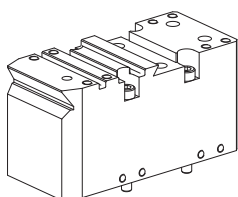
10678775 Semelle

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



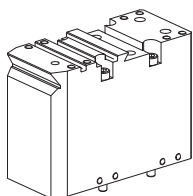
10359947 Semelle

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



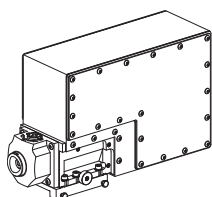
10668610 Semelle

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



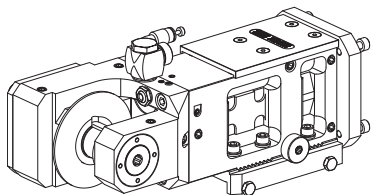
10369833 Semelle

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



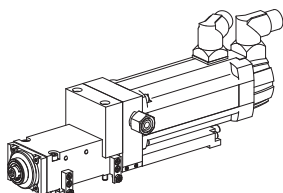
10072866 Tourelle pour outils de tourn.

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



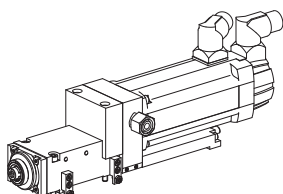
10048093 Unité de fraisage

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



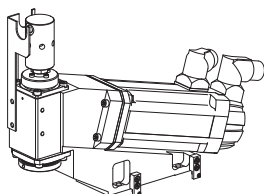
10299617 Unité de fraisage

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



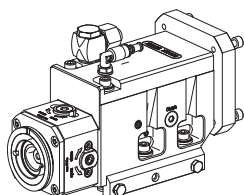
10442232 Unité de fraisage

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



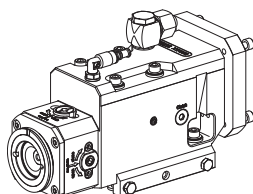
10470546 Unité de fraisage

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



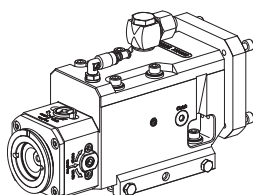
11093533 Unité de fraisage

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



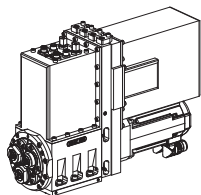
11089692 Unité de fraisage

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



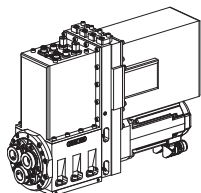
11089694 Unité de fraisage

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



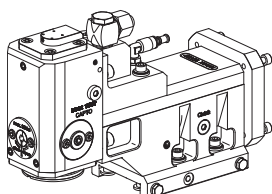
11063174 Tourelle pour outils de tourn.

Fixation	–
Attachement	ER 16
Arrosage	–
Rapport vitesse	1:1,06 (0,944)
X / Y / Z	29,8 / – / 37 mm



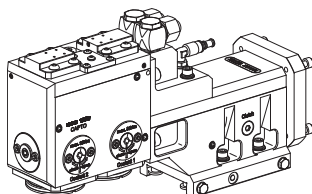
110567831 Tourelle pour outils de tourn.

Fixation	–
Attachement	WFB 20-12
Arrosage	–
Rapport vitesse	1:1,06 (0,944)
X / Y / Z	29,8 / – / 37 mm



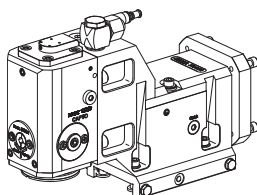
11093536 Unité de fraisage

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



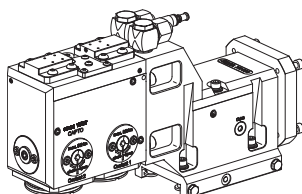
11093539 Unité de fraisage, double

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



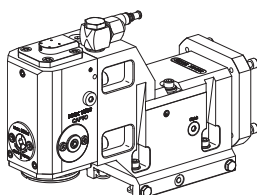
11093534 Unité de fraisage

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



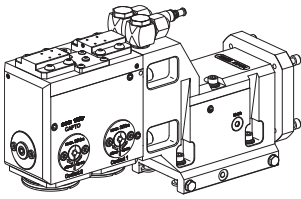
11093537 Unité de fraisage, double

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



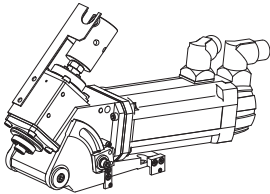
11093535 Unité de fraisage

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



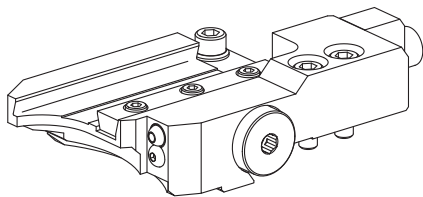
11093538 Unité de fraisage, double

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



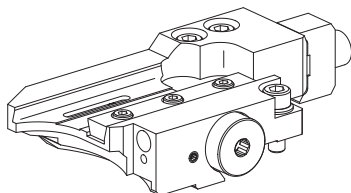
10246158 Unité de fraisage, à réglage angulaire

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



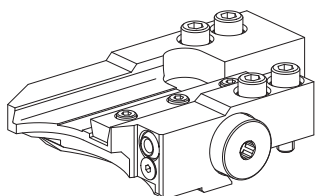
11019744 Support outil plong/fonçage

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



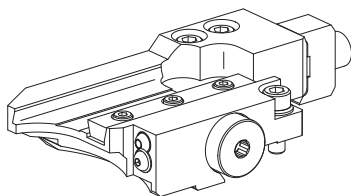
10673235 Support outil plong/fonçage

Fixation –
Attachement Trapèze 26x8
Arrosage central et extérieur, p_{max} 20 bar
X / Y / Z 49,7 / – / 11,5 mm



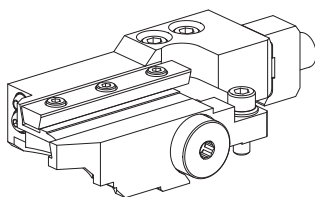
10706189 Support outil plong/fonçage

Fixation –
Attachement Trapèze 26x8
Arrosage extérieur, p_{max} 20 bar
X / Y / Z 50 / – / 11,5 mm



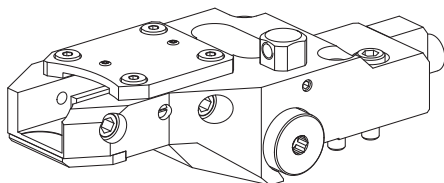
10752925 Support outil plong/fonçage

Fixation –
Attachement Trapèze 26x8
Arrosage extérieur, p_{max} 20 bar
X / Y / Z 49,7 / – / 11,5 mm



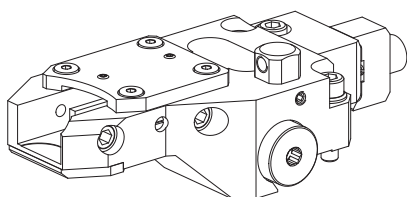
11067457 Support outil plong/fonçage

Fixation –
Attachement Trapèze 26x8
Arrosage extérieur, p_{max} 20 bar
X / Y / Z 49,7 / – / 11,5 mm



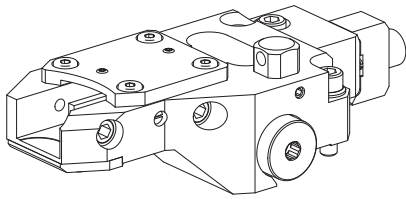
10194256 Support outil plongée et butée

Fixation –
Attachement Carré 16x16
Arrosage extérieur, p_{max} 20 bar
X / Y / Z 71 / – / 13,5 mm



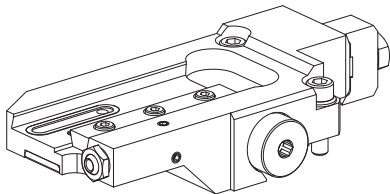
10653686 Support outil plongée et butée

Fixation –
Attachement Carré 16x16
Arrosage extérieur, p_{max} 20 bar
X / Y / Z 71,7 / – / 13,5 mm



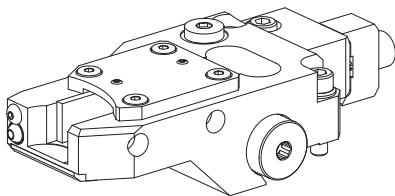
12050248 Support outil plongée et butée

Fixation –
Attachement Carré 16x16
Arrosage extérieur, p_{\max} 80 bar
X / Y / Z – / – / – mm



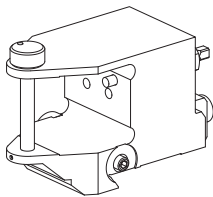
10094463 Support outil plongée et butée

Fixation –
Attachement Trapèze 26x4
Arrosage central et extérieur, p_{\max} 80 bar
X / Y / Z 71,4 / – / 15 mm



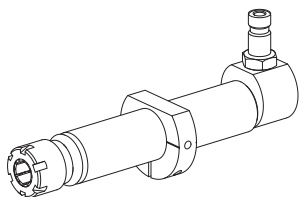
10190172 Support outil plongée et butée

Fixation –
Attachement Carré 16x16
Arrosage extérieur, p_{\max} 20 bar
X / Y / Z 71,7 / – / 13,5 mm



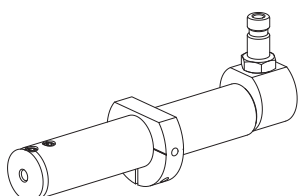
10153358 Porte-outil de base

Fixation –
Attachement Fette T18
Arrosage –
X / Y / Z 37 / – / 35 mm



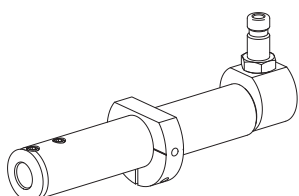
10672317 Porte-foret

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



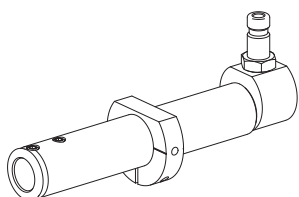
10188150 Porte-foret

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



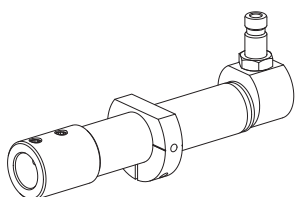
10480870 Porte-foret

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



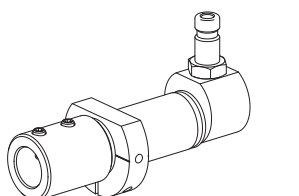
10219251 Porte-foret

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



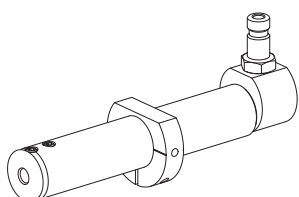
10617778 Porte-foret

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



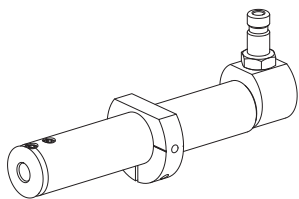
10684441 Porte-foret

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



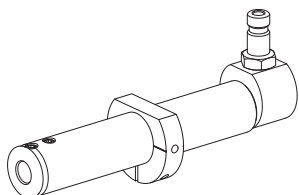
11015755 Porte-foret

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



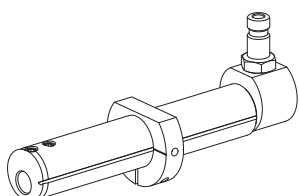
10258744 Porte-foret

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



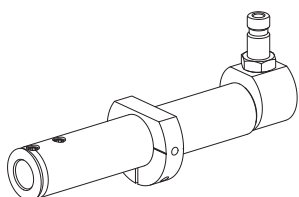
10218953 Porte-foret

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



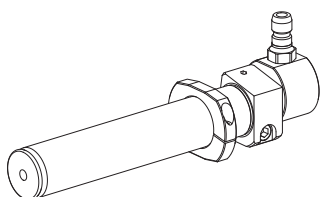
10852940 Porte-foret

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



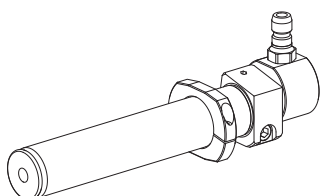
10139115 Porte-foret

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



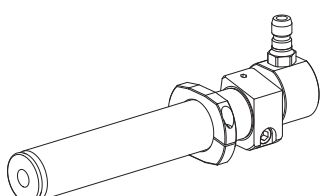
12008759 Porte-foret

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



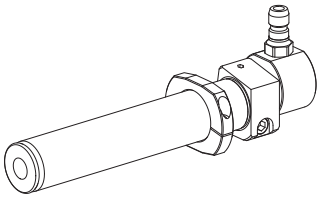
12034261 Porte-foret

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



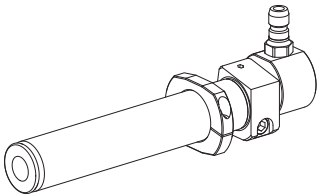
12028308 Porte-foret

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



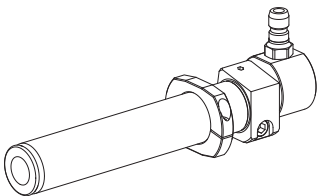
12028307 Porte-foret

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



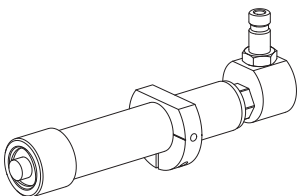
12034215 Porte-foret

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



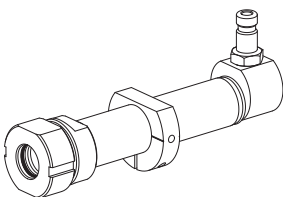
12028305 Porte-foret

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



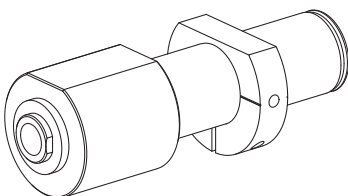
11092497 Porte-foret

Fixation Bague de serrage D28,5
Attachement INDEX TRAUB CAPTO C3
Arrosage central, p_{max} 80 bar
X / Y / Z - / - / - mm



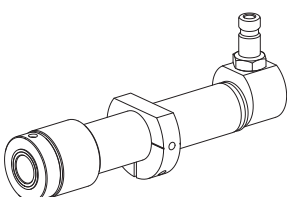
10132662 Porte-outil de compensation

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

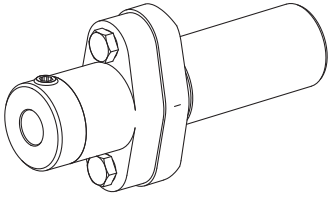


10270154 Porte-alésoir

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

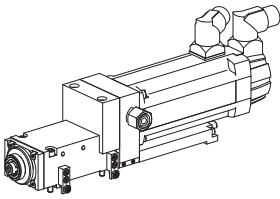
Diamètre de queue 28,5mm

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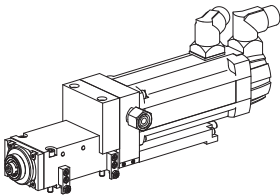
10796227 Porte-brochage/Porte-mortaise

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



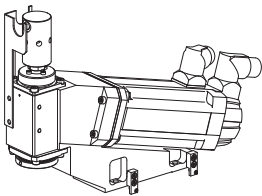
10299617 Unité de fraisage

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



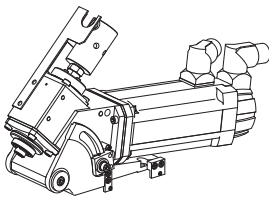
10442232 Unité de fraisage

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



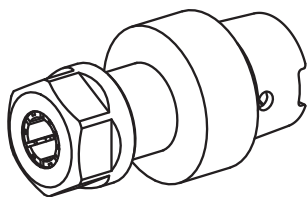
10470546 Unité de fraisage

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



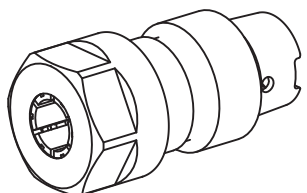
10246158 Unité de fraisage, à réglage angulaire

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



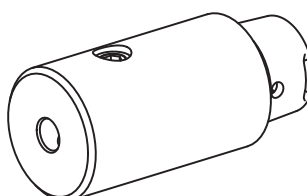
10362267 Porte-foret

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



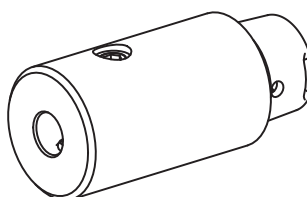
10851232 Porte-foret

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



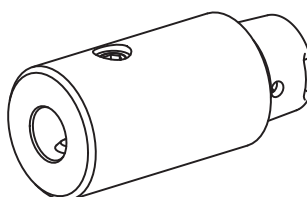
10088455 Porte-foret

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



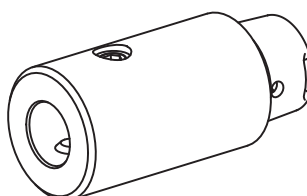
10227271 Porte-foret

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



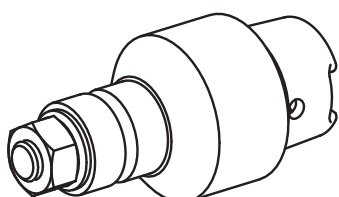
11010216 Porte-foret

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



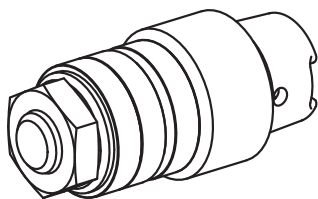
10180188 Porte-foret

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



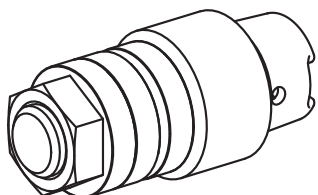
10145135 Porte-fraise

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



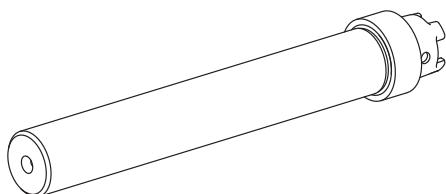
10053566 Porte-fraise

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



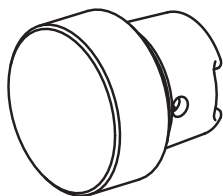
10357133 Porte-fraise

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

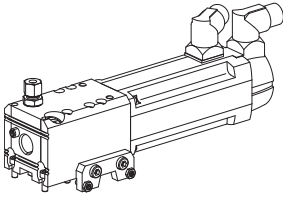


10325737 Obturateur

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

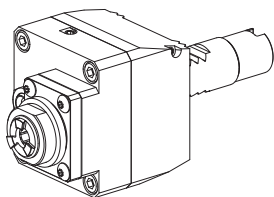
Unités d'entraînement d'outil Queue VDI20

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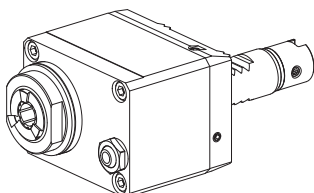
10850665 Unité d'entraînem. Pour outils, pour la commande C200-sl

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



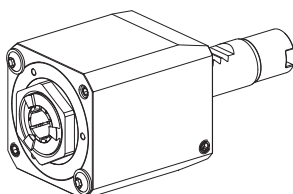
10652900 Unité de perçage

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



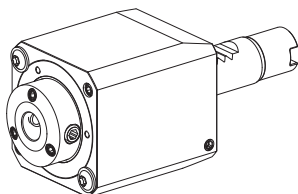
10645146 Unité de perçage

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



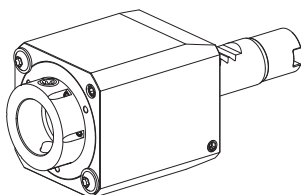
10848930 Unité de perçage

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



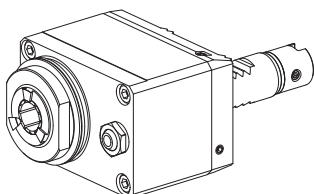
10890575 Unité de perçage

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



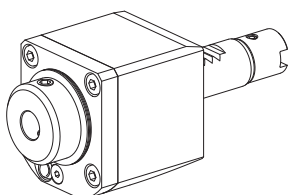
10646417 Unité de perçage

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



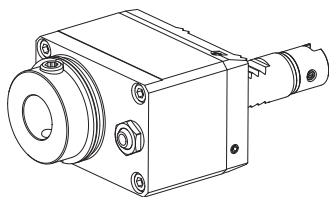
10246097 Unité de fraisage

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



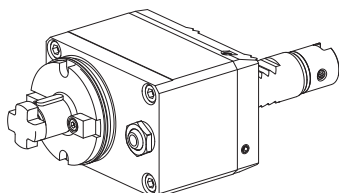
10411063 Unité de fraisage

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



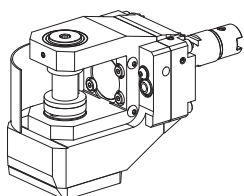
10643102 Unité de fraisage

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



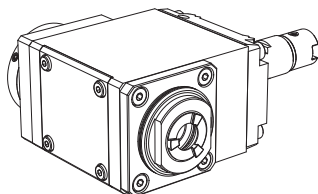
10202174 Unité de fraisage

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



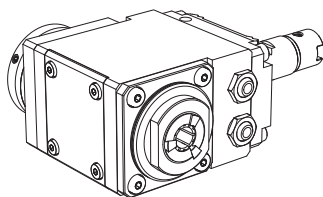
10051025 Unité de scie circulaire

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



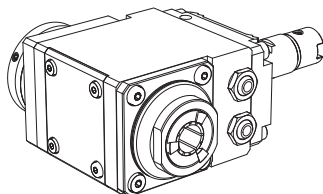
10966907 Unité de perçage

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



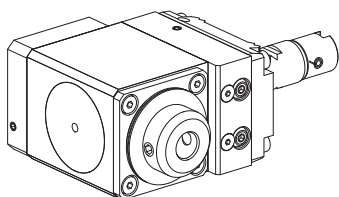
10354264 Unité de fraisage

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



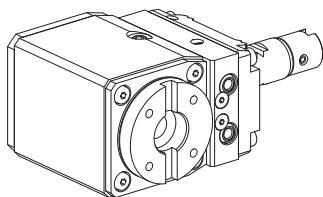
10105063 Unité de fraisage

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



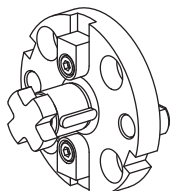
10354335 Unité de fraisage

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



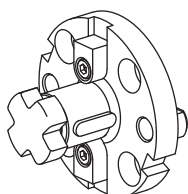
10393142 Unité de fraisage

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



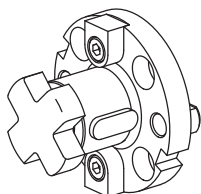
10670447 Pièce porte- fraise

Fixation	–
Attachement	Arbre porte- fraise D13
Arrosage	–
X / Y / Z	– / – / – mm



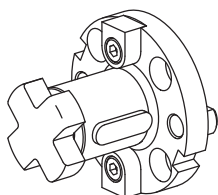
11041286 Pièce porte- fraise

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



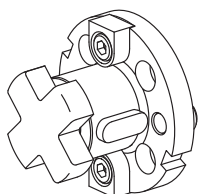
10435497 Pièce porte- fraise

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



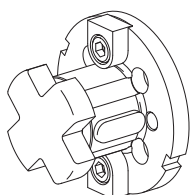
12011567 Pièce porte- fraise

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

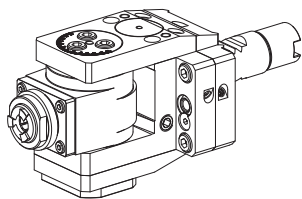


10223928 Pièce porte- fraise

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

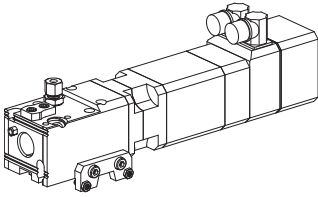
Porte-outil rotatif Queue VDI20

INDEX TRAUB



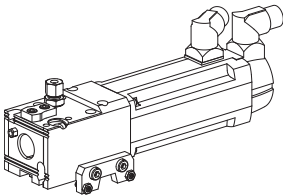
10593764 Unité de perçage

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



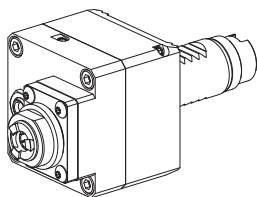
10872340 Unité d'entraînem. Pour outils

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



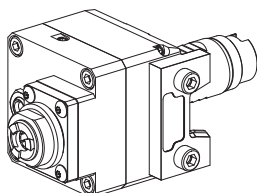
10024095 Unité d'entraînem. Pour outils, pour la commande C200-sl

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



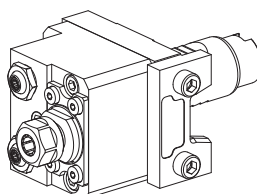
10898137 Unité de perçage

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



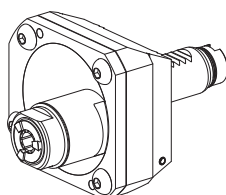
10418218 Unité de perçage

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



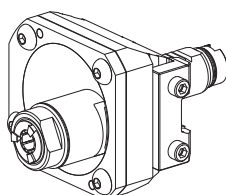
10648402 Unité de perçage

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



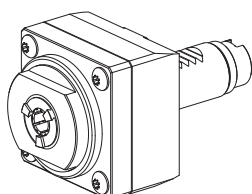
10444245 Unité de perçage, réglable à la verticale

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



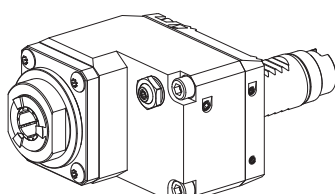
10701271 Unité de perçage, réglable à la verticale

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



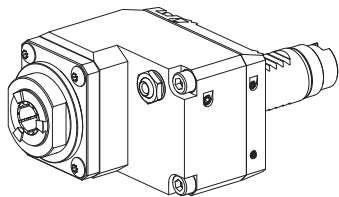
11050767 Unité de perçage

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



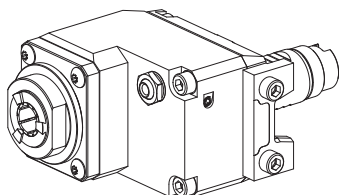
10205569 Unité de perçage

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



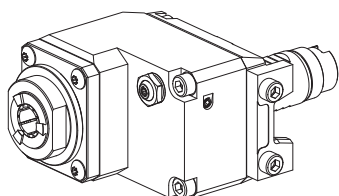
11005948 Unité de perçage

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



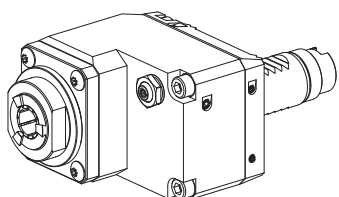
10385172 Unité de perçage

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



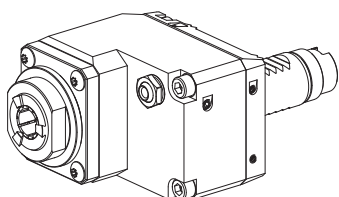
11016410 Unité de perçage

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



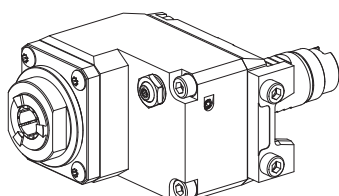
10380606 Unité de perçage

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



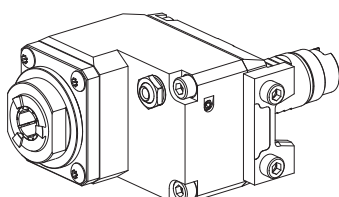
10453045 Unité de perçage

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



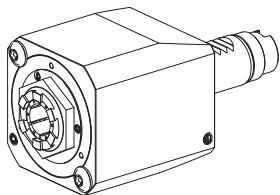
10767041 Unité de perçage

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



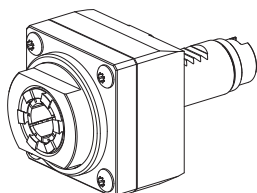
10892233 Unité de perçage

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



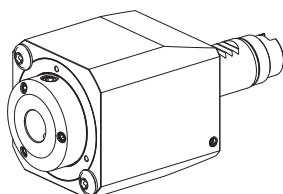
10506013 Unité de perçage

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



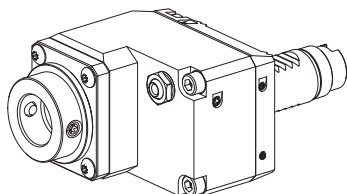
10828154 Unité de perçage

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



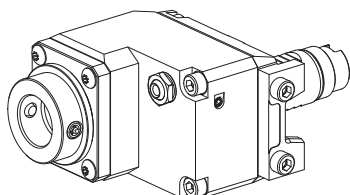
10161303 Unité de perçage

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



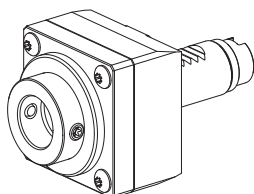
10415684 Unité de perçage

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



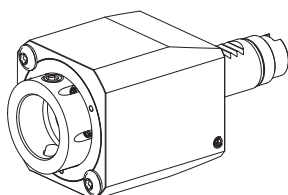
10535176 Unité de perçage

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



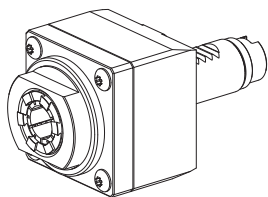
10275970 Unité de perçage

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



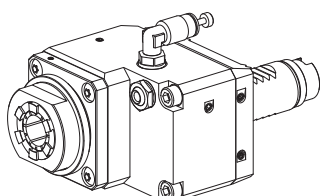
10857273 Unité de perçage

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



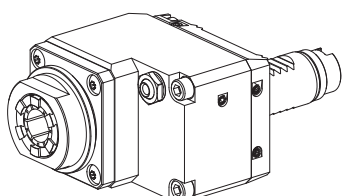
11067030 Unité de fraisage

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



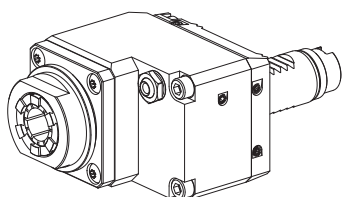
10538239 Unité de fraisage

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



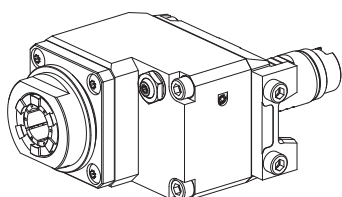
10716400 Unité de fraisage

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



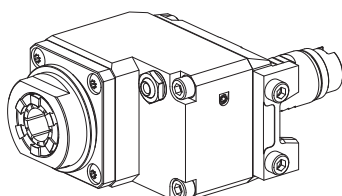
10991401 Unité de fraisage

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



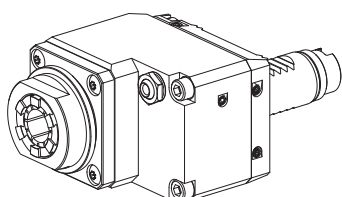
10031272 Unité de fraisage

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



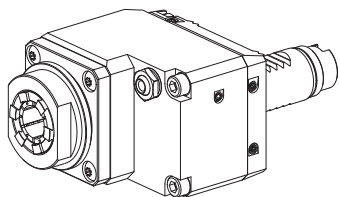
11030759 Unité de fraisage

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



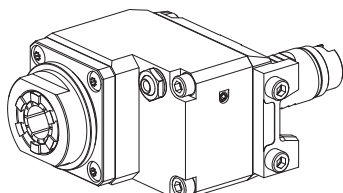
10265219 Unité de fraisage

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



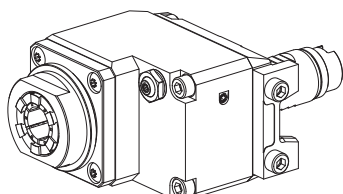
10322749 Unité de fraisage

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



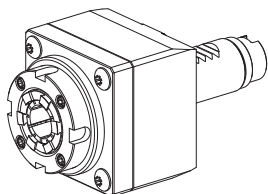
10907448 Unité de fraisage

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



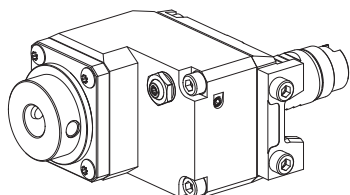
10987856 Unité de fraisage

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



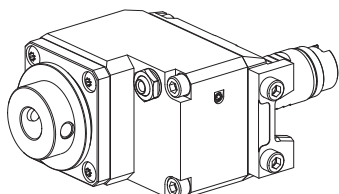
10292861 Unité de fraisage

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



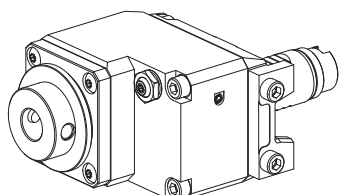
10748355 Unité de fraisage

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



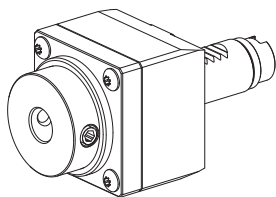
10345067 Unité de fraisage

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



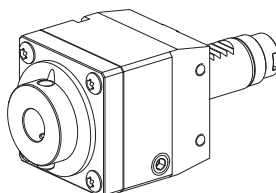
10409453 Unité de fraisage

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



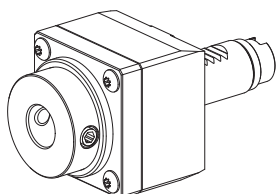
10202307 Unité de fraisage

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



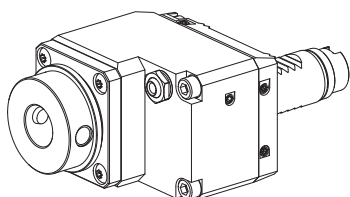
11063004 Unité de fraisage

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



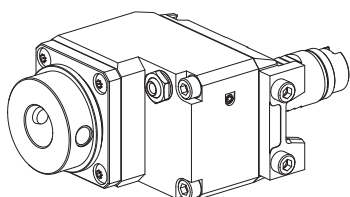
10307933 Unité de fraisage

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



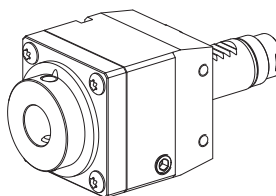
10719900 Unité de fraisage

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



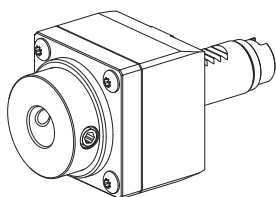
10642666 Unité de fraisage

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



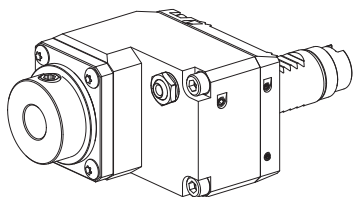
10591979 Unité de fraisage

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



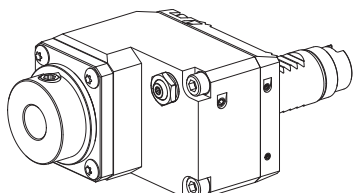
10857236 Unité de fraisage

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



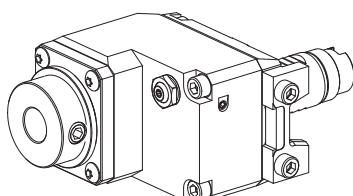
10136933 Unité de fraisage

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



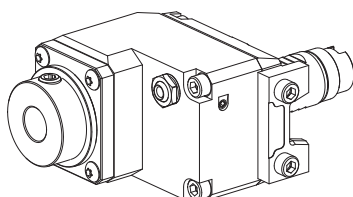
10410570 Unité de fraisage

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



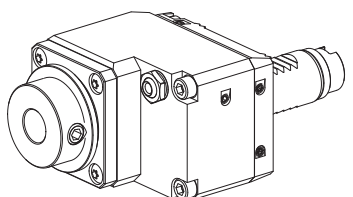
10480988 Unité de fraisage

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



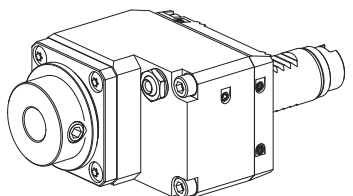
10790396 Unité de fraisage

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



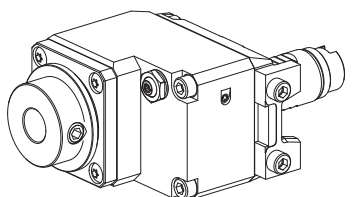
10420233 Unité de fraisage

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



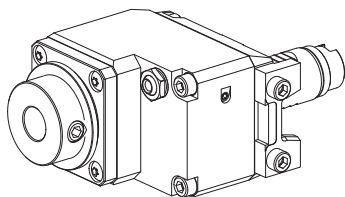
11062897 Unité de fraisage

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



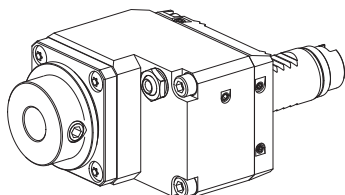
10860043 Unité de fraisage

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



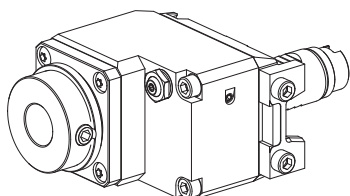
11043249 Unité de fraisage

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



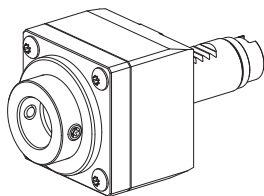
10038392 Unité de fraisage

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



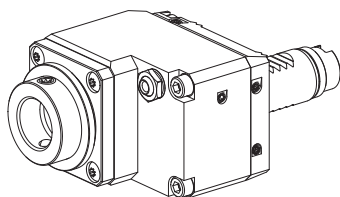
11090796 Unité de fraisage

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



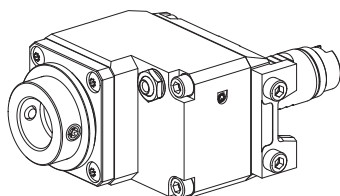
10801026 Unité de fraisage

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



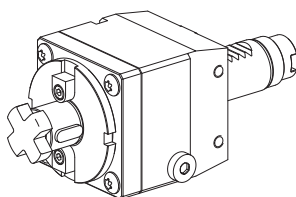
10061745 Unité de fraisage

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



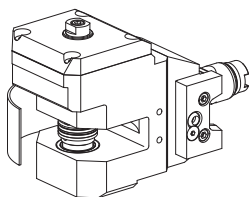
10411900 Unité de fraisage

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



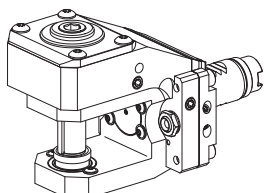
10425512 Unité de fraisage

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



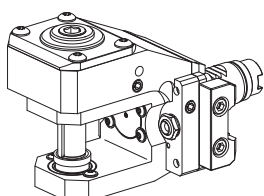
10403930 Unité de scie circulaire, réglable à la verticale

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



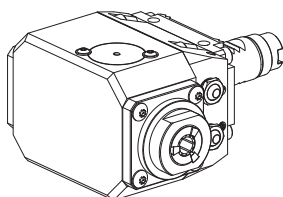
10546310 Unité de scie circulaire

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



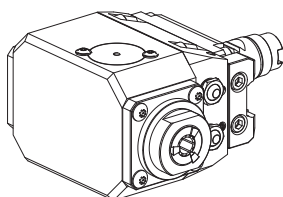
10444685 Unité de scie circulaire

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



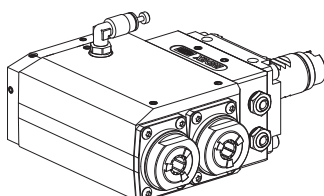
10793977 Unité de perçage

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



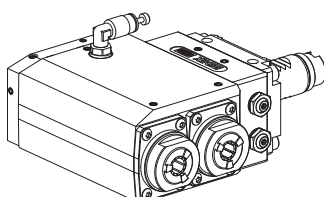
10293075 Unité de perçage

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



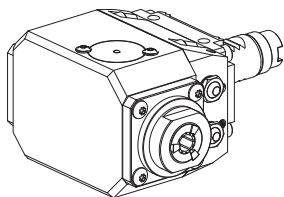
10037360 Unité de perçage

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



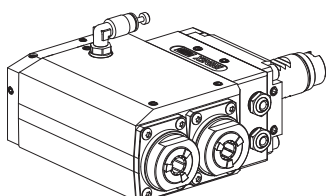
10163263 Unité de perçage

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



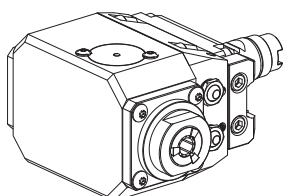
10363369 Unité de perçage

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



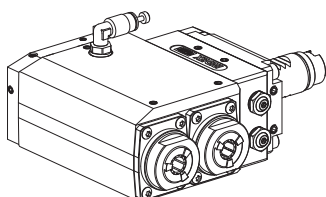
10115327 Unité de perçage

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



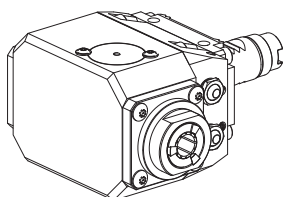
10298225 Unité de perçage

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



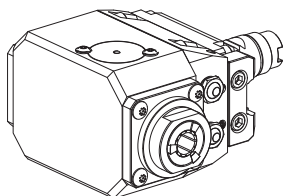
10835385 Unité de perçage

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



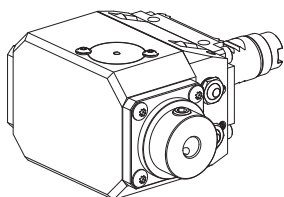
11064426 Unité de perçage

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



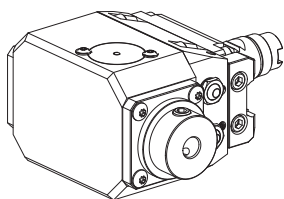
10303082 Unité de perçage

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



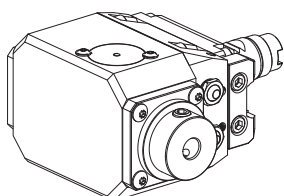
10180528 Unité de perçage

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



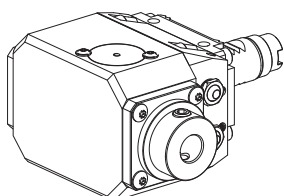
10826106 Unité de perçage

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



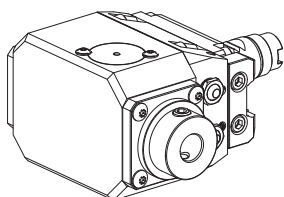
10665790 Unité de perçage

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



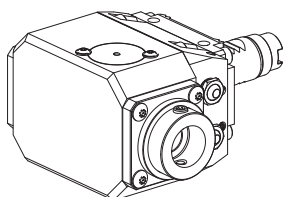
10822454 Unité de perçage

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



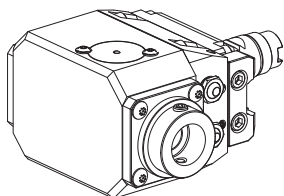
10704112 Unité de perçage

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



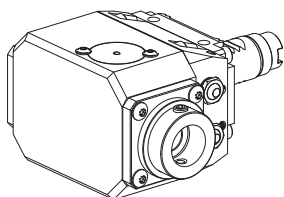
11024822 Unité de perçage

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



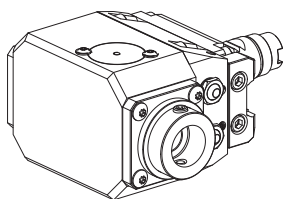
10860091 Unité de perçage

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



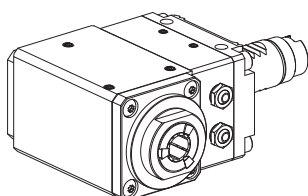
10592359 Unité de perçage

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



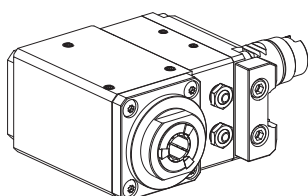
10512409 Unité de perçage

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



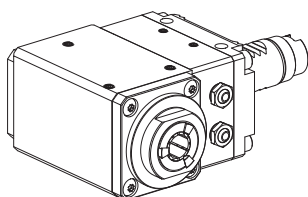
10017916 Unité de fraisage

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



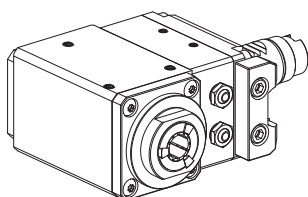
10111860 Unité de fraisage

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



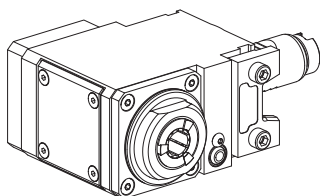
10362884 Unité de fraisage

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



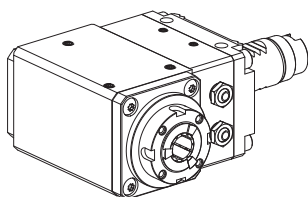
10356084 Unité de fraisage

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



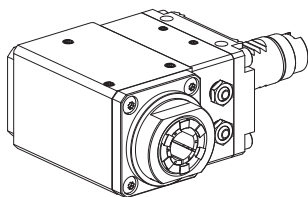
10764640 Unité de fraisage

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



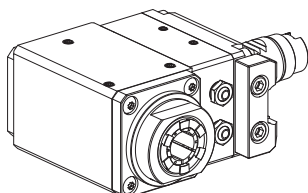
10689846 Unité de fraisage

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



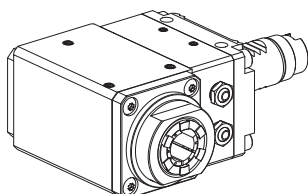
10392320 Unité de fraisage

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



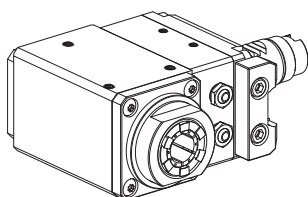
10892159 Unité de fraisage

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



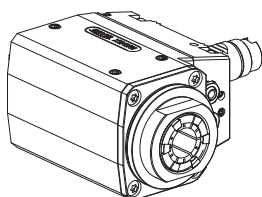
10079110 Unité de fraisage

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



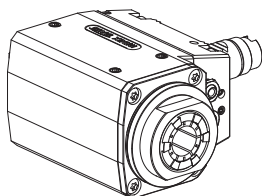
10941580 Unité de fraisage

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



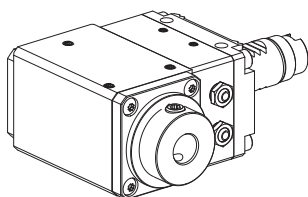
11164790 Unité de fraisage

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



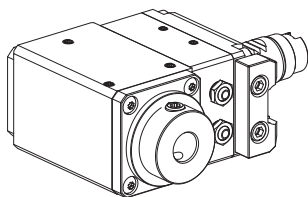
11164783 Unité de fraisage

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



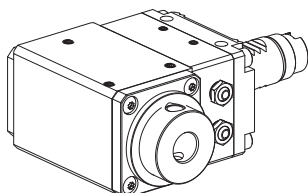
10425542 Unité de fraisage

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



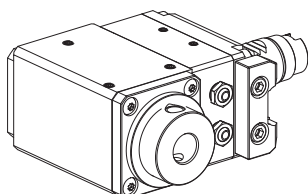
10517132 Unité de fraisage

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



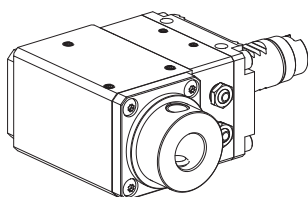
10702769 Unité de fraisage

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



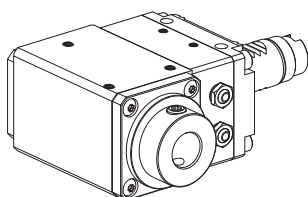
10344410 Unité de fraisage

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



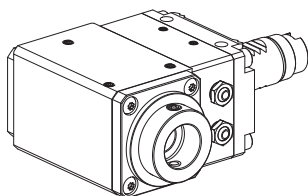
10444044 Unité de fraisage

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



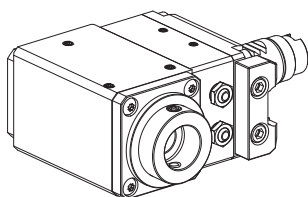
10721543 Unité de fraisage

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



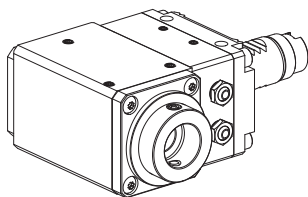
10169413 Unité de fraisage

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



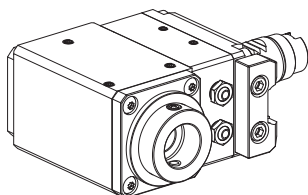
10193100 Unité de fraisage

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



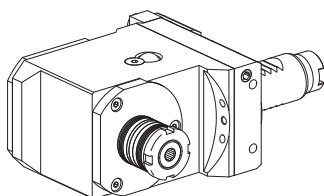
10216902 Unité de fraisage

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



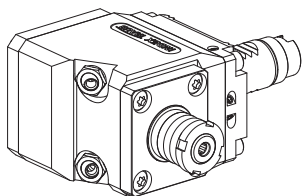
10196660 Unité de fraisage

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



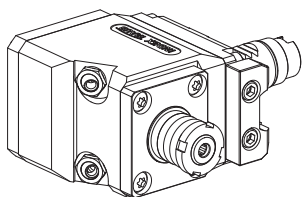
10305967 Unité de fraisage

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



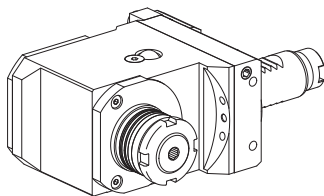
10483871 Unité de fraisage

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



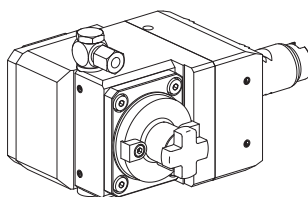
10272736 Unité de fraisage

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



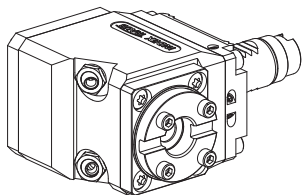
10783835 Unité de fraisage

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



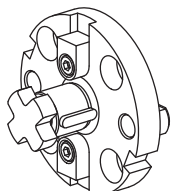
10356214 Unité de fraisage

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



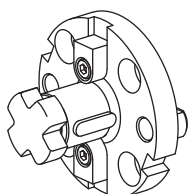
10838926 Unité de fraisage

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



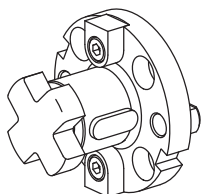
10670447 Pièce porte- fraise

Fixation	–
Attachement	Arbre porte- fraise D13
Arrosage	–
X / Y / Z	– / – / – mm



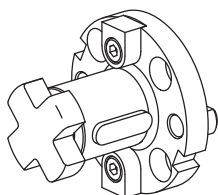
11041286 Pièce porte- fraise

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



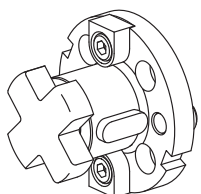
10435497 Pièce porte- fraise

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



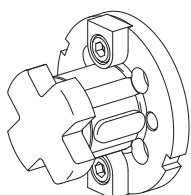
12011567 Pièce porte- fraise

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



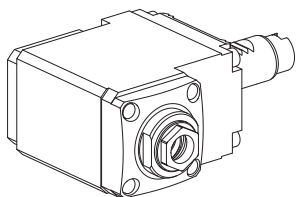
10807705 Pièce porte- fraise

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



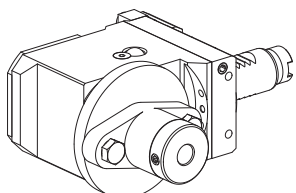
10223928 Pièce porte- fraise

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



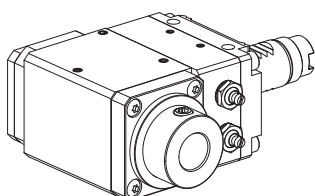
10390037 Unité de taraudage

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



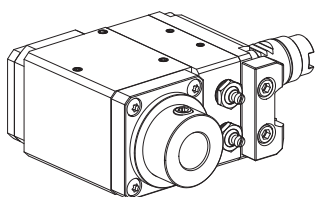
10622506 Unité de brochage/mortaisage

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



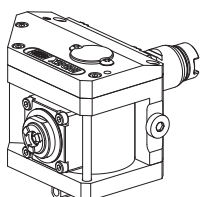
10766208 Unité de brochage/mortaisage

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



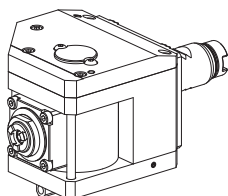
10971676 Unité de brochage/mortaisage

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



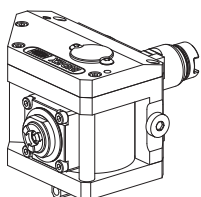
10558202 Unité de perçage

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



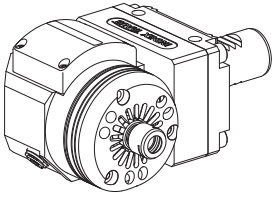
10566421 Unité de perçage, à réglage angulaire

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



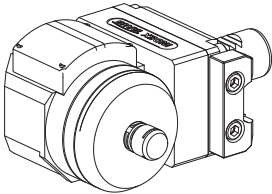
10345861 Unité de perçage, à réglage angulaire

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



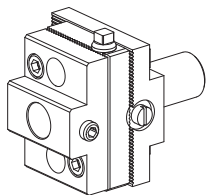
10646377 Broche fluide, jusqu'à 40.000 1/min

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



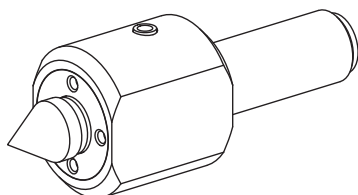
12054517 Broche fluide, jusqu'à 55.000 1/min

Fixation	Vés
Attachement	ER 11
Arrosage	extérieur, p_{\max} 40 bar
X / Y / Z	70 / - / 66 mm



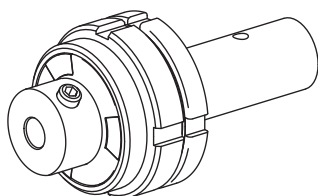
11074608 Porte-foret, réglable à la verticale

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



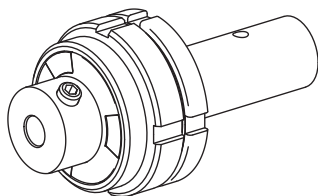
10376272 Support de pointe de guidage, sur ressort, rotative

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



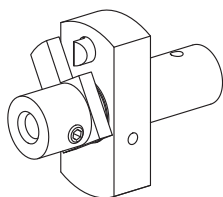
10398672 Porte-taraud, à déclenchement

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



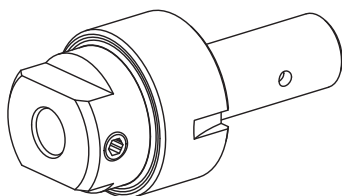
10646298 Porte-taraud, à déclenchement

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



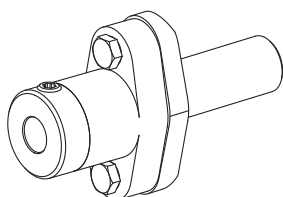
10955662 Porte-taraud, à déclenchement

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



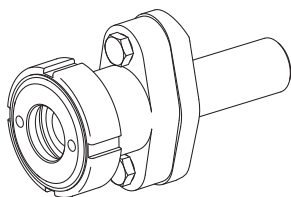
10691613 Porte-taraud, extensible

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



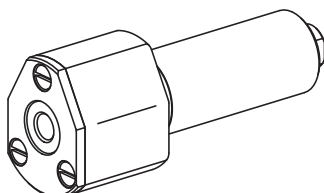
10852881 Porte-brochage/Porte-mortaise, flottant, rotative

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



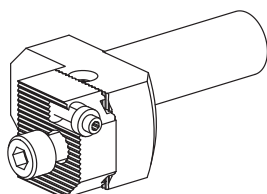
10694118 Porte-brochage/Porte-mortaise, flottant, rotative

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



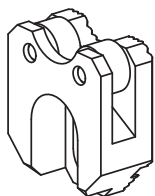
10497461 Porte-guide

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



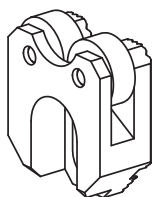
10974901 Porte-guide, réglable

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



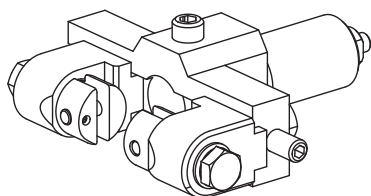
10686673 Pièce de maintien des galets

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



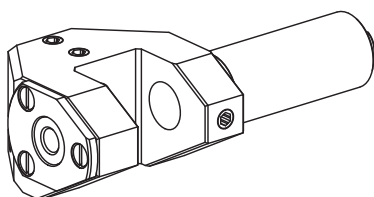
11071318 Pièce de maintien des galets

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



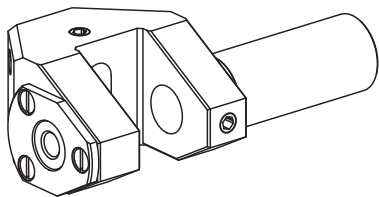
10126683 Porte-outil moleté, réglable

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



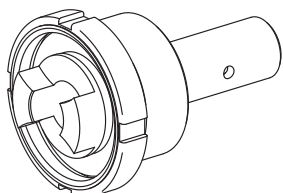
10900179 PO de tournage et de guidage

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



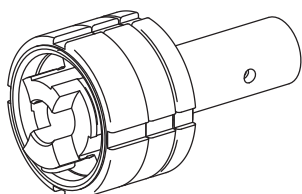
11045363 PO de tournage et de guidage

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



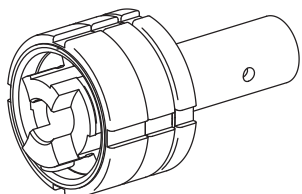
10612591 Porte-taraud à compensation, extensible

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



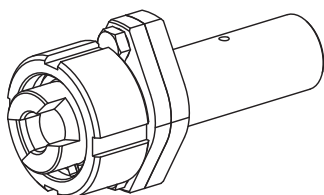
10218668 Porte-taraud à compensation, à déclenchement

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



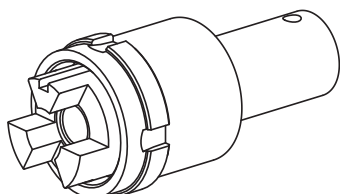
10320599 Porte-taraud à compensation, à déclenchement

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



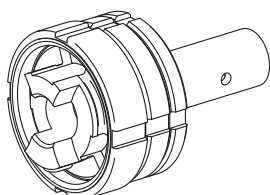
10949890 Porte-taraud à compensation, extensible

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



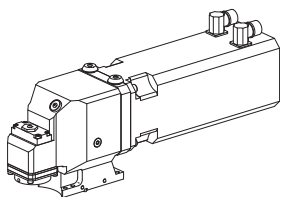
10448210 Porte-taraud à compensation, extensible

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



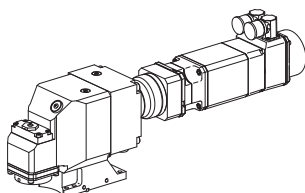
10247273 Porte-taraud à compensation, à déclenchement

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



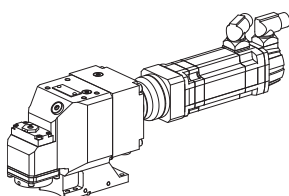
10973223 Unité de polygonage

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



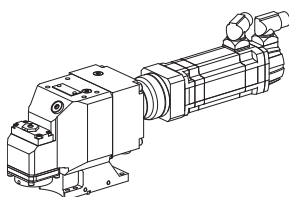
10889230 Unité de polygonage

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



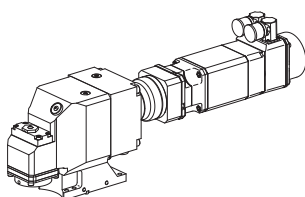
10989902 Unité de polygonage, pour la commande C200-si

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



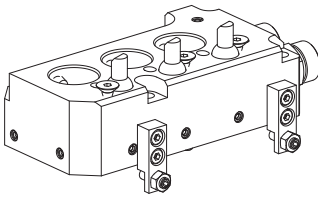
10595783 Unité de polygonage, pour la commande C200-si

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



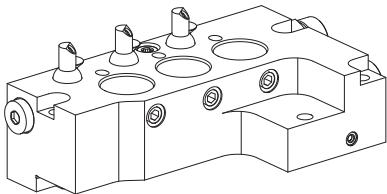
10970341 Unité de polygonage

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



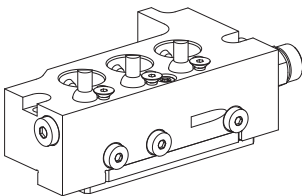
10123787 Unité de reprise

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



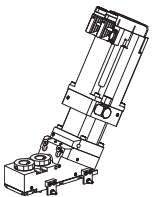
10851757 Unité de reprise

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



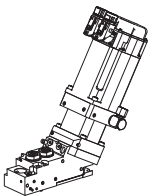
10938802 Unité de reprise

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



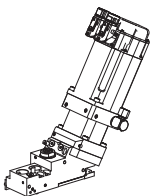
10397072 Unité de reprise, position de broche 3

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



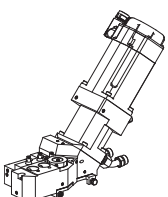
11059380 Unité de reprise

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



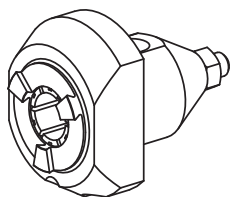
10287070 Unité de reprise

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

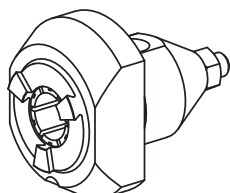


10351701 Unité de reprise

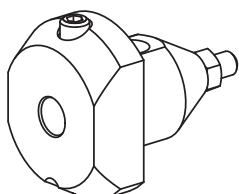
Fixation	–
Attachement	2x D22 – 1x WFB 20-12
Arrosage	extérieur, p_{\max} 30 bar
Rapport vitesse	1:1,8 (0,555)
X / Y / Z	– / – / – mm

**10417636 Pièce porte-foret**

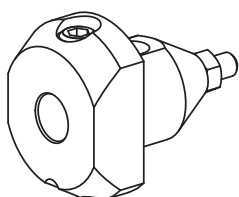
Fixation	Queue D22
Attachement	ER 16
Arrosage	–
X / Y / Z	13 / – / – mm

**10757759 Pièce porte-foret, scellé**

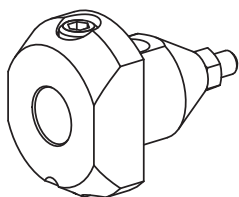
Fixation	Queue D22
Attachement	ER 16
Arrosage	–
X / Y / Z	13 / – / – mm

**10884793 Pièce porte-foret**

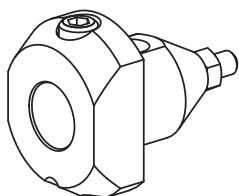
Fixation	Queue D22
Attachement	D8
Arrosage	–
X / Y / Z	13 / – / – mm

**11168823 Pièce porte-foret**

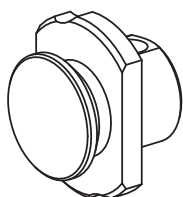
Fixation	Queue D22
Attachement	D10
Arrosage	–
X / Y / Z	13 / – / – mm

**10406274 Pièce porte-foret**

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

**10336013 Pièce porte-foret**

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

**10633382 Obturateur**

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



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