



## INDEX MS22-8

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## **Note on applicability**

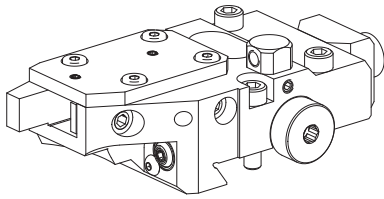
Illustrations in this publication may deviate from the product supplied. Errors and omissions due to technical progress expected.

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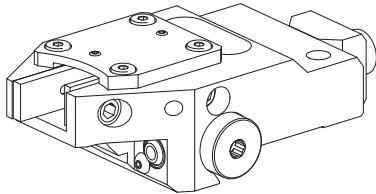
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# Stationary tool holder Cross Slide Unit 1.1 - 8.2



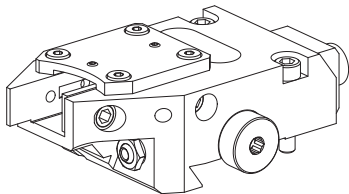
## 10103849 Turning tool holder

<b>Fixation</b>	–
<b>Mounting</b>	Square 12x12
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>X / Y / Z</b>	55 (2.17) / – / 13 (0.51) mm (")



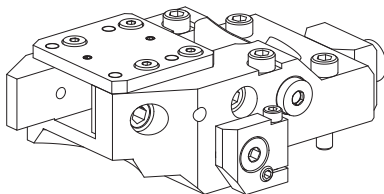
## 10003727 Turning tool holder

<b>Fixation</b>	–
<b>Mounting</b>	square 16x16
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>X / Y / Z</b>	49.7 (1.96) / – / 14.5 (0.57) mm (")



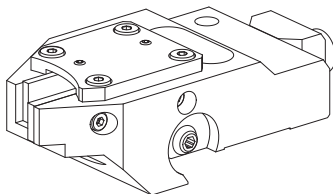
## 12050246 Turning tool holder

<b>Fixation</b>	–
<b>Mounting</b>	square 16x16
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>X / Y / Z</b>	49.2 (1.94) / – / 14.5 (0.57) mm (")



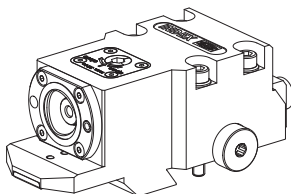
## 10591158 Turning tool holder

<b>Fixation</b>	–
<b>Mounting</b>	square 20x20
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>X / Y / Z</b>	60 (2.36) / – / 13 (0.51) mm (")



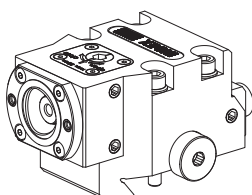
## 10244868 Turning tool holder

<b>Fixation</b>	–
<b>Mounting</b>	square 16x16
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>X / Y / Z</b>	49.7 (1.96) / – / 14.5 (0.57) mm (")



## 10469477 Clamping unit, with stop

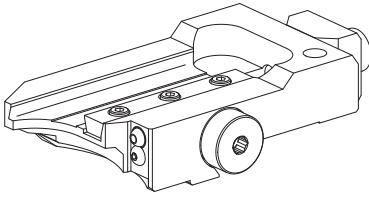
<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>X / Y / Z</b>	46 (1.81) / – / 33 (1.30) mm (")



## 10936448 Clamping unit

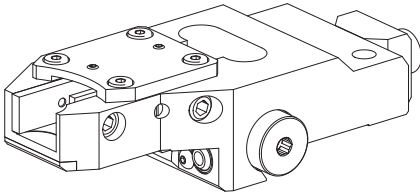
<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>X / Y / Z</b>	28.7 (1.13) / – / 33 (1.30) mm (")

# Stationary tool holder Cross Slide Unit 1.1 - 8.2



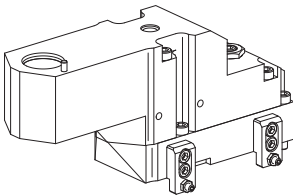
## 10457876 Grooving tool holder

<b>Fixation</b>	–
<b>Mounting</b>	Trapezoid 26x4
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>X / Y / Z</b>	49.7 (1.96) / – / 11.5 (0.45) mm (")



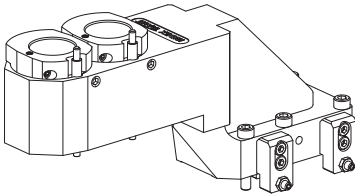
## 10810737 Grooving tool and stop holder

<b>Fixation</b>	–
<b>Mounting</b>	square 16x16
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>X / Y / Z</b>	71.7 (2.82) / – / 15 (0.59) mm (")



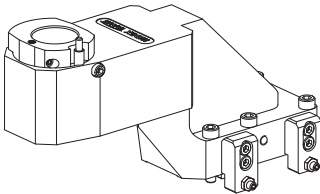
## 10340339 Basic holder

<b>Fixation</b>	–
<b>Mounting</b>	Hydraulic expan. Chuck D28.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	82.3 (3.24) / – / 50 (1.97) mm (")



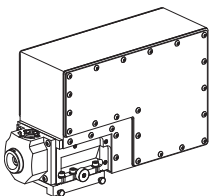
## 10639196 Basic holder, double

<b>Fixation</b>	–
<b>Mounting</b>	Hydraulic expan. Chuck D28.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	67.8 + 111.8 (2.67 + 4.40) / – / 50 (1.97) mm (")



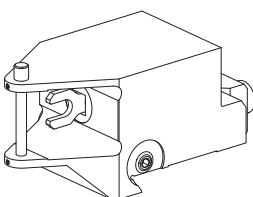
## 10930315 Basic holder

<b>Fixation</b>	–
<b>Mounting</b>	Hydraulic expan. Chuck D28.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	82.3 (3.24) / – / 50 (1.97) mm (")



## 10072866 Turning turret

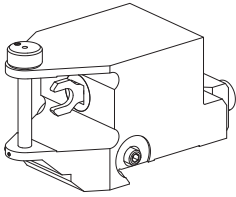
<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C4
<b>Cooling</b>	–
<b>X / Y / Z</b>	23.9 (0.94) / – / 50.3 (1.98) mm (")



## 12054450 Basic holder

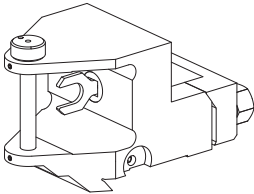
<b>Fixation</b>	–
<b>Mounting</b>	Fette T120
<b>Cooling</b>	–
<b>X / Y / Z</b>	52 (2.05) / – / -31 (1.22) mm (")

# Stationary tool holder Cross Slide Unit 1.1 - 8.2



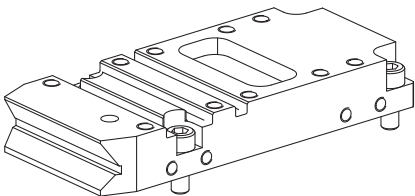
## 12054537 Basic holder

Fixation	–
Mounting	Fette T160
Cooling	–
X / Y / Z	49 (1.93) / – / 35 (1.38) mm (")



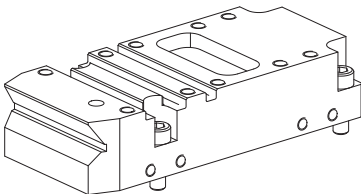
## 12054538 Basic holder

Fixation	–
Mounting	Fette T220
Cooling	–
X / Y / Z	41 (1.61) / – / 47 (1.85) mm (")



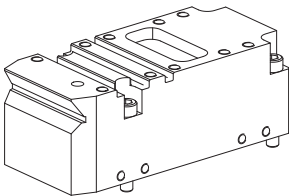
## 10583516 Distance plate

Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / 20 (0.79) mm (")



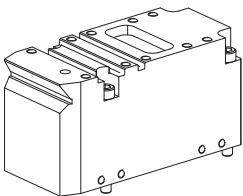
## 10835462 Distance plate

Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / 30 (1.18) mm (")



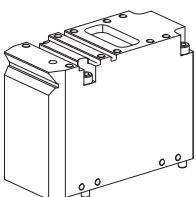
## 10028477 Distance plate

Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / 50 (1.97) mm (")



## 10359947 Distance plate

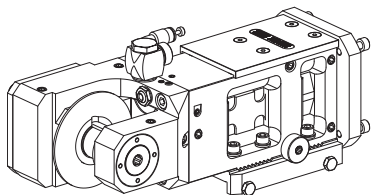
Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / 70 (2.76) mm (")



## 10724690 Distance plate

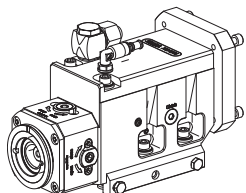
Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / 100 (3.94) mm (")

# Live tool holder Cross Slide Unit 1.1 - 8.2



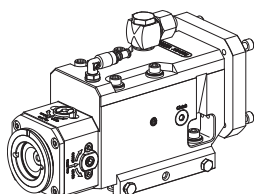
## 10048093 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	3.5:1 (3.5)
<b>X / Y / Z</b>	79.3 (3.12) / – / 50 (1.97) mm (")



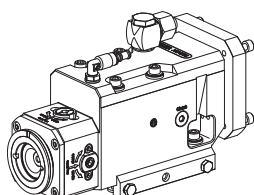
## 11093533 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	42.8 / – / 30 (1.18) mm (")



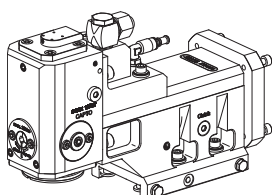
## 11089692 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	54.3 / – / 30 (1.18) mm (")



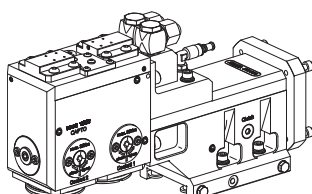
## 11089694 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	54.3 / – / 30 (1.18) mm (")



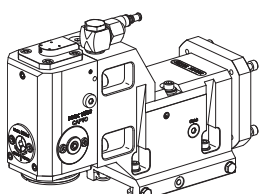
## 11093536 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	68.3 / – / 32.5 (1.28) mm (")



## 11093539 Milling unit, double

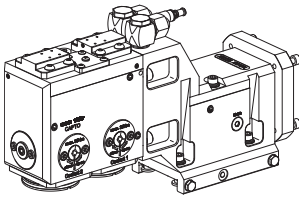
<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	68.3 + 128.3 (2.69 + 5.05) / – / 32.5 (1.28) mm (")



## 11093534 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	68.3 / – / 32.5 (1.28) mm (")

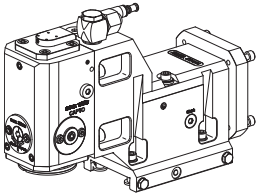
# Live tool holder Cross Slide Unit 1.1 - 8.2



## 11093537 Milling unit, double

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	68.3 + 128.3 (2.69 + 5.05) / – / 32.5 (1.28) mm (")

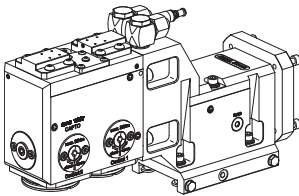
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## 11093535 Milling unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	68.3 / – / 32.5 (1.28) mm (")

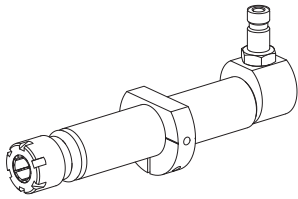
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## 11093538 Milling unit, double

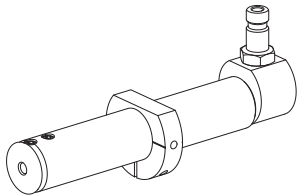
<b>Fixation</b>	–
<b>Mounting</b>	INDEX TRAUB CAPTO C3
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	68.3 + 128.3 (2.69 + 5.05) / – / 32.5 (1.28) mm (")

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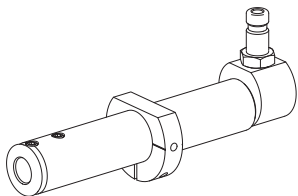
**10672317 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** ER 20  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



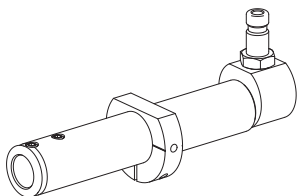
**10188150 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** DIN 1835 B/E D6 (0.24 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



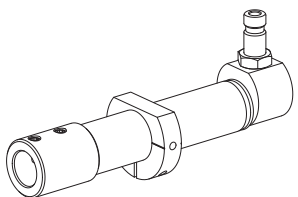
**10480870 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** DIN 1835 B/E D14 (0.55 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



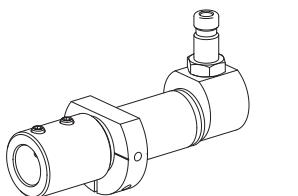
**10219251 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** DIN 1835 B/E D18 (0.71 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



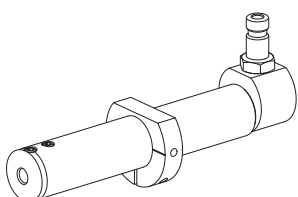
**10617778 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** DIN 1835 B/E D20 (0.79 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



**10684441 Drilling tool holder**

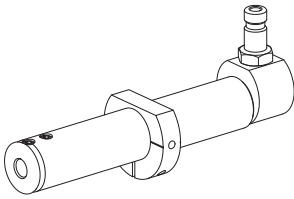
**Fixation** Clamping ring D28.5  
**Mounting** DIN 1835 B/E D20 (0.79 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



**11015755 Drilling tool holder**

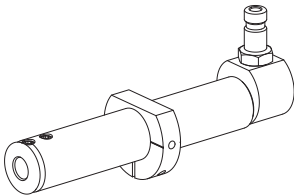
**Fixation** Clamping ring D28.5  
**Mounting** D8 (0.31 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")





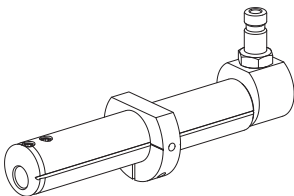
**10258744 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** D10 (0.39 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



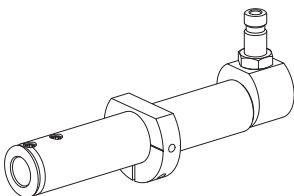
**10218953 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** D12 (0.47 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



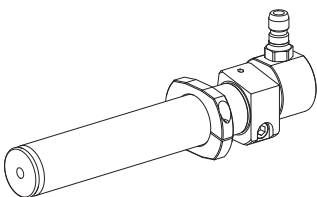
**10852940 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** D12 (0.47 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** 4 (0.16) / - / - mm (")



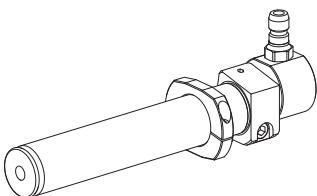
**10139115 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** D16 (0.63 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



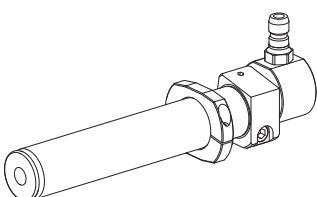
**12008759 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** Hydraulic expansion chuck D6  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



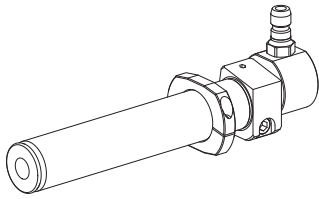
**12034261 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** Hydraulic expansion chuck D8  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



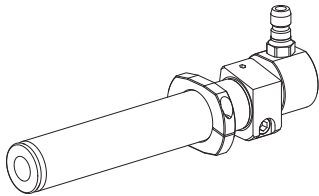
**12028308 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** Hydraulic expansion chuck D10  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



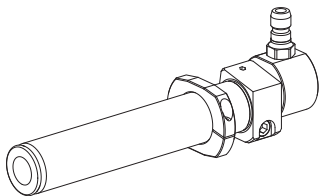
**12028307 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** Hydraulic expansion chuck D12  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



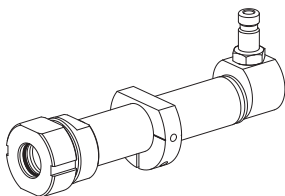
**12034215 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** Hydraulic expansion chuck D14  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



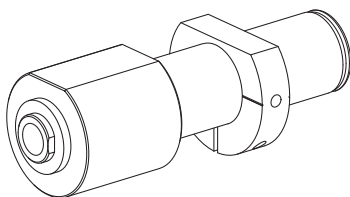
**12028305 Drilling tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** Hydraulic expansion chuck D16  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



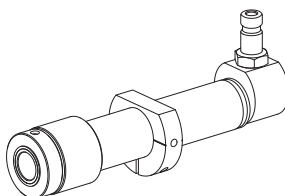
**10132662 Compensation holder**

**Fixation** Clamping ring D28.5  
**Mounting** D3/4"  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



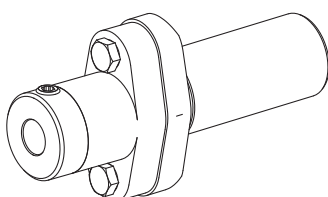
**11016418 Center holder**

**Fixation** Clamping ring D28.5  
**Mounting** D11.2 (0.44 ") / Cone 1:7.5  
**Cooling** -  
**X / Y / Z** - / - / - mm (")



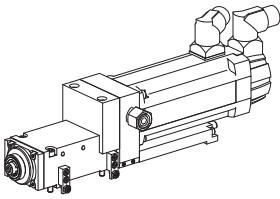
**10270154 Reaming tool holder**

**Fixation** Clamping ring D28.5  
**Mounting** D16 (0.63 ")  
**Cooling** internal,  $p_{max}$  80 bar  
**X / Y / Z** - / - / - mm (")



**10796227 Broaching/ Slotting holder**

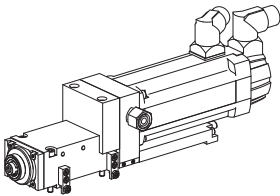
**Fixation** Clamping ring D28.5  
**Mounting** D12 (0.47 ")  
**Cooling** -  
**X / Y / Z** 54 (2.13) / - / - mm (")



**10299617 Milling unit**

<b>Fixation</b>	–
<b>Mounting</b>	HSK 25 C
<b>Cooling</b>	internal, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	– / – / – mm (")

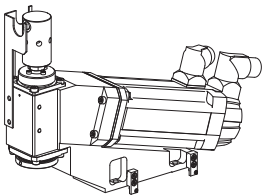
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**10442232 Milling unit**

<b>Fixation</b>	–
<b>Mounting</b>	HSK 25 C
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	– / – / – mm (")

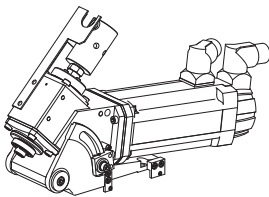
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**10470546 Milling unit**

<b>Fixation</b>	–
<b>Mounting</b>	HSK 25 C
<b>Cooling</b>	internal, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:1.69 (0.59)
<b>X / Y / Z</b>	– / – / – mm (")

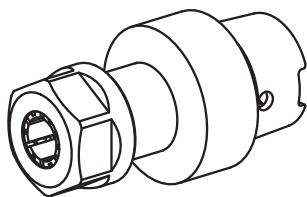
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**10246158 Milling unit, angle-adjustable**

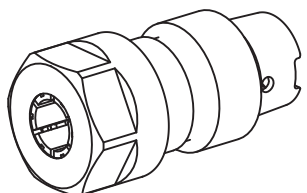
<b>Fixation</b>	–
<b>Mounting</b>	HSK 25 C
<b>Cooling</b>	external and internal, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:1.66 (0.6)
<b>X / Y / Z</b>	– / – / – mm (")

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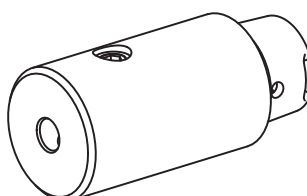
**10362267 Drilling tool holder**

**Form** C  
**Mounting** ER 11  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 32.5 (1.28) / – mm (")



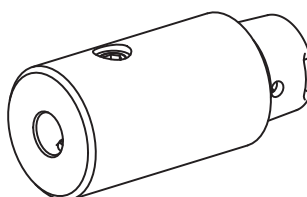
**10851232 Drilling tool holder**

**Form** C  
**Mounting** ER 16  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 40 (1.57) / – mm (")



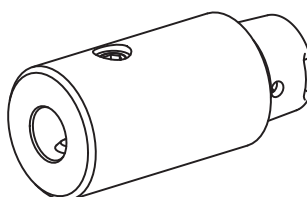
**10088455 Drilling tool holder**

**Form** C  
**Mounting** DIN 1835 B/E D6 (0.24 ")  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 42 (1.65) / – mm (")



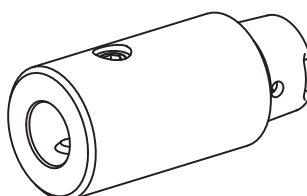
**10227271 Drilling tool holder**

**Form** C  
**Mounting** DIN 1835 B/E D8 (0.31 ")  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 42 (1.65) / – mm (")



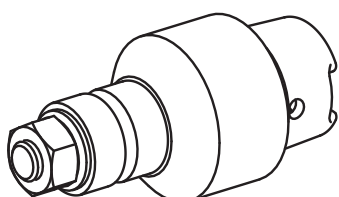
**11010216 Drilling tool holder**

**Form** C  
**Mounting** DIN 1835 B/E D10 (0.39 ")  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 42 (1.65) / – mm (")



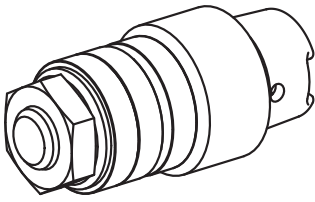
**10180188 Drilling tool holder**

**Form** C  
**Mounting** DIN 1835 B/E D12 (0.47 ")  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 42 (1.65) / – mm (")



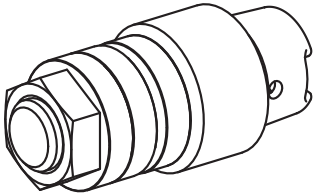
**10145135 Milling cutter holder**

**Form** C  
**Mounting** Milling shaft D8 (0.31 ")  
**Cooling** internal,  $p_{max}$  40 bar  
**X / Z** 24 (0.94) / – mm (")



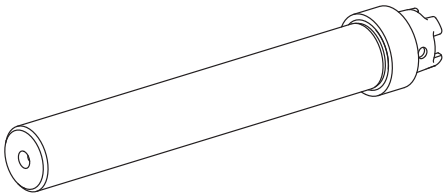
**10053566 Milling cutter holder**

<b>Form</b>	C
<b>Mounting</b>	Milling shaft D10 (0.39 ")
<b>Cooling</b>	internal, $p_{\max}$ 40 bar
<b>X / Z</b>	19 (0.75) / – mm (")



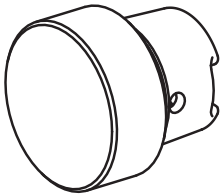
**10357133 Milling cutter holder**

<b>Form</b>	C
<b>Mounting</b>	Milling shaft D13 (0.51 ")
<b>Cooling</b>	internal, $p_{\max}$ 40 bar
<b>X / Z</b>	20 (0.79) / – mm (")



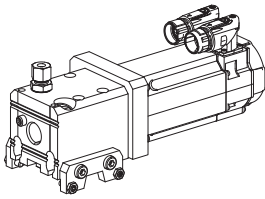
**10454596 Calibrating tool**

<b>Form</b>	C
<b>Mounting</b>	D20 (0.79 ")
<b>Cooling</b>	–
<b>X / Z</b>	140 (5.51) / – mm (")



**10325737 Blanking plug**

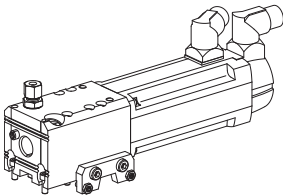
<b>Form</b>	C
<b>Mounting</b>	–
<b>Cooling</b>	–
<b>X / Z</b>	10 (0.39) / – mm (")



**10667347 Tool drive unit**

<b>Fixation</b>	–
<b>Mounting</b>	VDI 20
<b>Cooling</b>	internal, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm (")

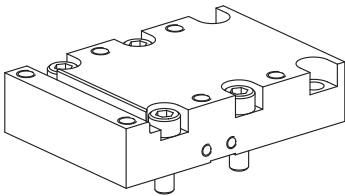
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**10850665 Tool drive unit, for control C200-sl**

<b>Fixation</b>	–
<b>Mounting</b>	VDI 20
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm (")

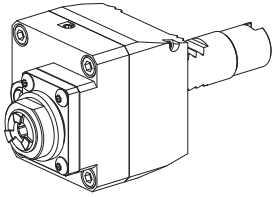
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**11094714 Distance plate**

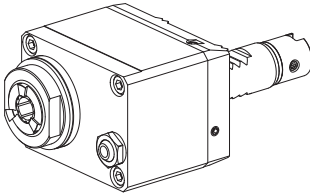
<b>Fixation</b>	–
<b>Mounting</b>	–
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / 20 (0.79) mm (")

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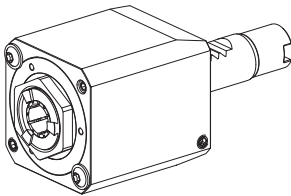
**10652900 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	1:2.63 (0.38)
<b>X / Y / Z</b>	75 (2.95) / – / 12.5 (0.49) mm (")



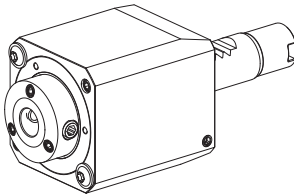
**10645146 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 25.5 (1.004) mm (")



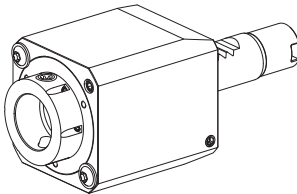
**10848930 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	ER 20
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / – mm (")



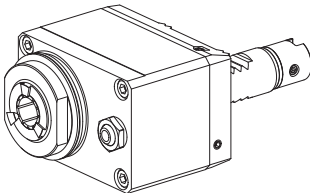
**10890575 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D12 (0.47 ")
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	77.5 (3.05) / – / – mm (")



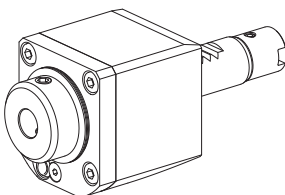
**10646417 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	77 (3.03) / – / – mm (")



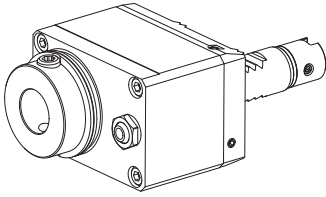
**10246097 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1.94:1 (1.944)
<b>X / Y / Z</b>	70 (2.76) / – / 27 (1.06) mm (")



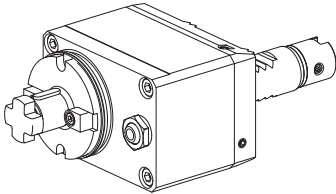
**10411063 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D12 (0.47 ")
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / – mm (")



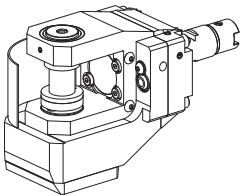
**10643102 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1.94:1 (1.944)
<b>X / Y / Z</b>	76 (2.99) / – / 27 (1.06) mm (")



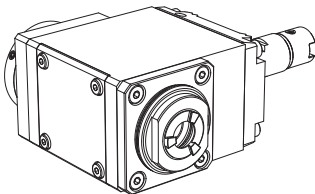
**10202174 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1.94:1 (1.944)
<b>X / Y / Z</b>	67 (2.64) / – / 27 (1.06) mm (")



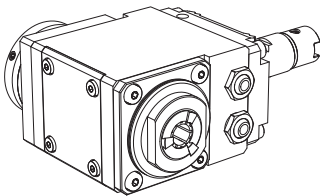
**10051025 Circular saw unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2.96:1 (2.96)
<b>X / Y / Z</b>	76 (2.99) / – / – mm (")



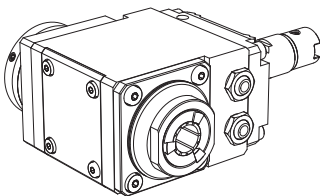
**10966907 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	64 (2.52) / – / 50 (1.97) mm (")



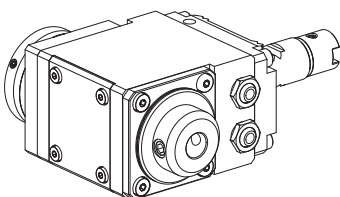
**10354264 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	64 (2.52) / – / 46.5 (1.83) mm (")



**10105063 Milling unit**

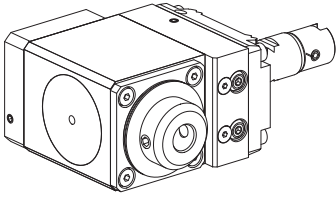
<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	64 (2.52) / – / 50.5 (1.99) mm (")



**10062216 Milling unit**

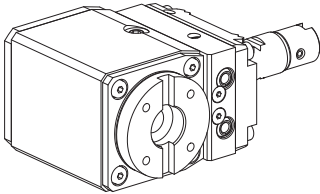
<b>Fixation</b>	W serration
<b>Mounting</b>	D12 (0.47 ")
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	64 (2.52) / – / 54 (2.13) mm (")





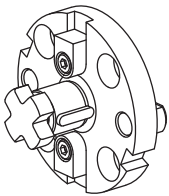
**10354335 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	D12.7 (0.50 ")
<b>Cooling</b>	internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	64 (2.52) / – / 50 (1.97) mm (")



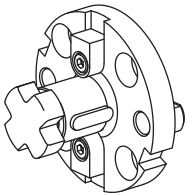
**10393142 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	–
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2.5:1 (2.5)
<b>X / Y / Z</b>	60 (2.36) / – / 41 (1.61) mm (")



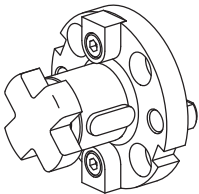
**10670447 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D13 (0.51 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



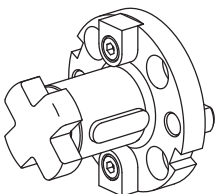
**11041286 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



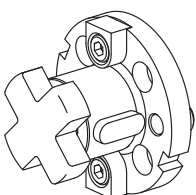
**10435497 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



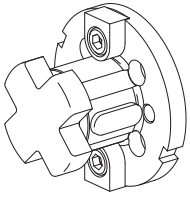
**12011567 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	32.5 (1.28) / – / – mm (")



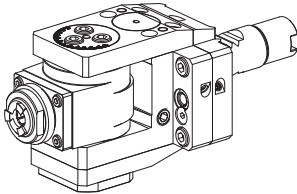
**10807705 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D27 (1.06 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



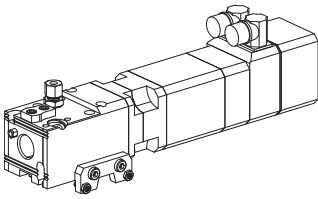
**10223928 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D32 (1.26 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



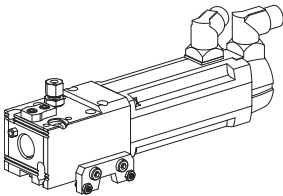
**10593764 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1.88 (0.533)
<b>X / Y / Z</b>	60 (2.36) / – / – mm (")



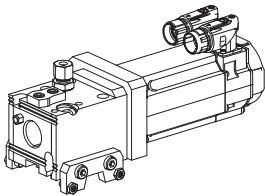
**10872340 Tool drive unit**

<b>Fixation</b>	–
<b>Mounting</b>	VDI 25
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / 37 (1.46) mm (")



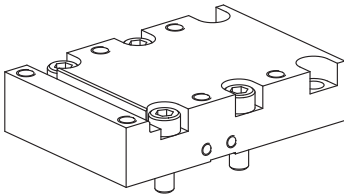
**10024095 Tool drive unit, for control C200-sl**

<b>Fixation</b>	–
<b>Mounting</b>	VDI 25
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm (")



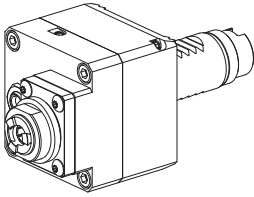
**11010949 Tool drive unit**

<b>Fixation</b>	–
<b>Mounting</b>	VDI 25
<b>Cooling</b>	internal, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm (")



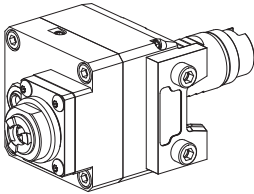
**11094714 Distance plate**

<b>Fixation</b>	–
<b>Mounting</b>	–
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / 20 (0.79) mm (")



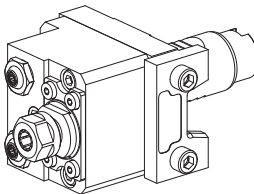
**10898137 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	75 (2.95) / – / 15 (0.59) mm (")



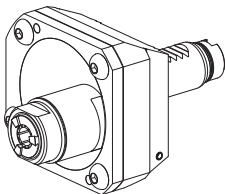
**10418218 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	75 (2.95) / – / 15 (0.59) mm (")



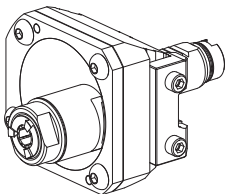
**10648402 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	1:1.33 (0.75)
<b>X / Y / Z</b>	71 (2.80) / – / 17.5 (0.69) mm (")



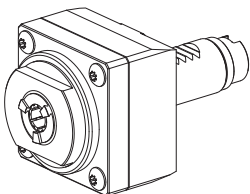
**10444245 Drilling unit, vertically adjustable**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	1:2.07 (0.483)
<b>X / Y / Z</b>	85 (3.35) / – / 22.5 (0.89) mm (")



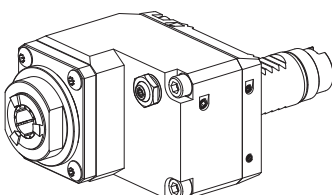
**10701271 Drilling unit, vertically adjustable**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	1:2.07 (0.483)
<b>X / Y / Z</b>	85 (3.35) / $\pm 22.5$ ( $\pm 0.98$ ) / $\pm 22.5$ ( $\pm 0.89$ ) mm (")



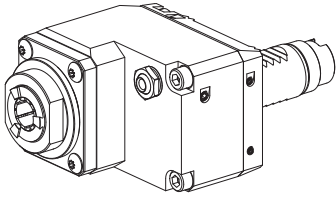
**11050767 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	54 (2.13) / – / – mm (")



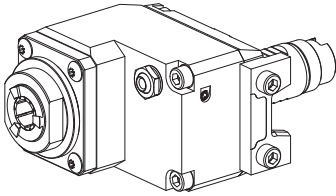
**10205569 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	86.1 (3.39) / – / 35 (1.38) mm (")



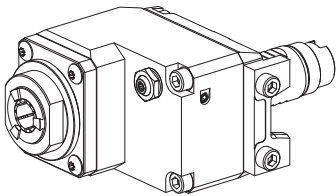
**11005948 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	86.1 (3.39) / – / 35 (1.38) mm (")



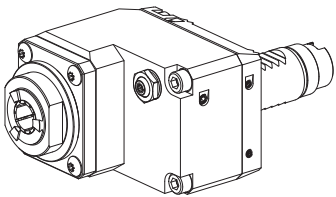
**10385172 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	86.1 (3.39) / – / 35 (1.38) mm (")



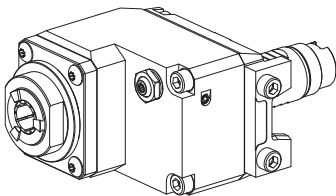
**11016410 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	86.1 (3.39) / – / 35 (1.38) mm (")



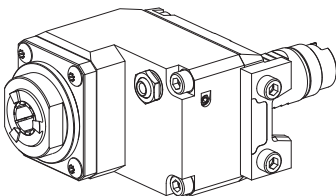
**10380606 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	86.1 (3.39) / – / 35 (1.38) mm (")



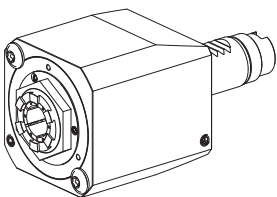
**10767041 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	86.1 (3.39) / – / 35 (1.38) mm (")



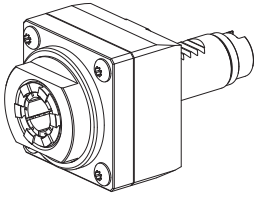
**10892233 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	86 (3.39) / – / 35 (1.38) mm (")



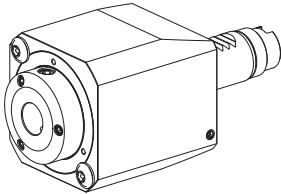
**10506013 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	ER 25
<b>Cooling</b>	internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	81 (3.19) / – / – mm (")



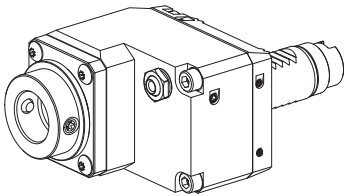
**10828154 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	57 (2.24) / - / - mm (")



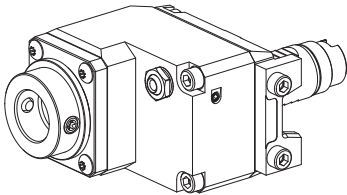
**10161303 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	89 (3.50) / - / - mm (")



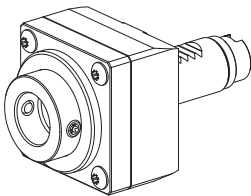
**10415684 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	89.6 (3.53) / - / 35 (1.38) mm (")



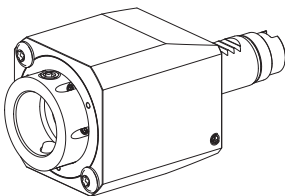
**10535176 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:3 (0.333)
<b>X / Y / Z</b>	89.6 (3.53) / - / 35 (1.38) mm (")



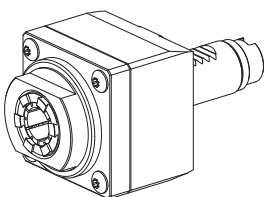
**10275970 Drilling unit**

<b>Fixation</b>	none
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	59 (2.32) / - / - mm (")



**10857273 Drilling unit**

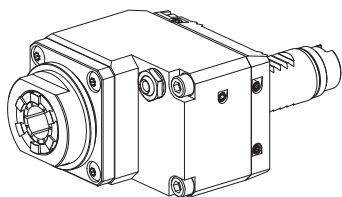
<b>Fixation</b>	none
<b>Mounting</b>	WFB 32-20
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	90 (3.54) / - / - mm (")



**11067030 Milling unit**

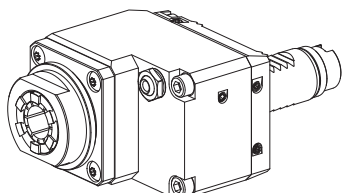
<b>Fixation</b>	none
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	67 (2.64) / - / - mm (")

# Live tool holder Shank VDI25



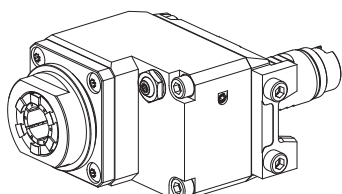
## 10716400 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 25
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	89.9 (3.54) / – / 31 (1.22) mm (")



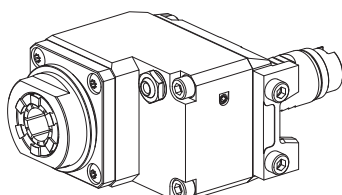
## 10991401 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	89.9 (3.54) / – / 31 (1.22) mm (")



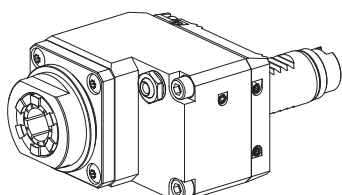
## 10031272 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 25
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	89.9 (3.54) / – / 31 (1.22) mm (")



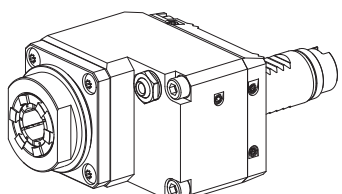
## 11030759 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	90 (3.54) / – / 31 (1.22) mm (")



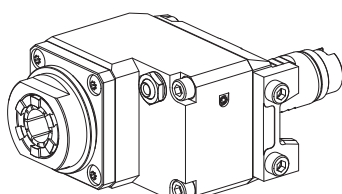
## 10265219 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	89.9 (3.54) / – / 31 (1.22) mm (")



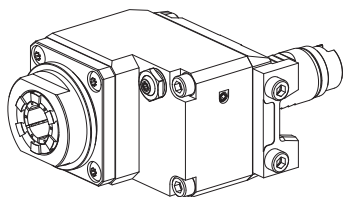
## 10322749 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 25
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	89.9 (3.54) / – / 31 (1.22) mm (")



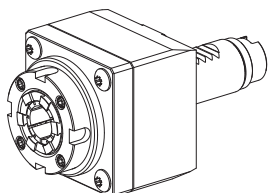
## 10907448 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	90 (3.54) / – / 31 (1.22) mm (")



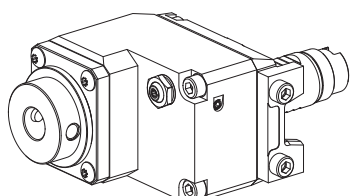
**10987856 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 25
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	89.9 (3.54) / – / 31 (1.22) mm (")



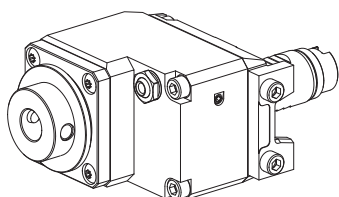
**10292861 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	ER 25 PRECI-FLEX
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	67 (2.64) / – / – mm (")



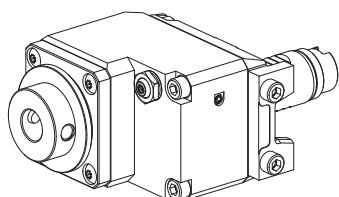
**10748355 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D15 (0.59 ")
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	89.6 (3.53) / – / 35 (1.38) mm (")



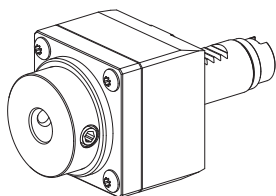
**10345067 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D15 (0.59 ")
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	91 (3.58) / – / 31 (1.22) mm (")



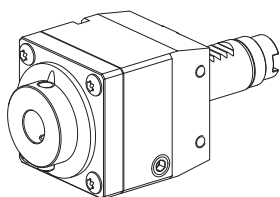
**10409453 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D15 (0.59 ")
<b>Cooling</b>	external and internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	90.9 (3.58) / – / 31 (1.22) mm (")



**10202307 Milling unit**

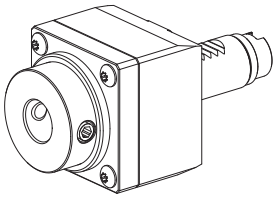
<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	72 (2.83) / – / – mm (")



**11063004 Milling unit**

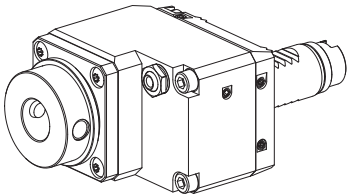
<b>Fixation</b>	–
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, $p_{\max}$ 20 bar
<b>Speed ratio</b>	4.5:1 (4.5)
<b>X / Y / Z</b>	83.5 (3.29) / – / 0 ( ) mm (")





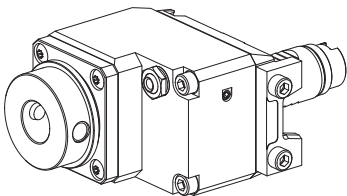
**10307933 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	72 (2.83) / - / - mm (")



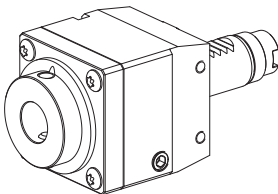
**10719900 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, $p_{max}$ 20 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	93 (3.66) / - / 31 (1.22) mm (")



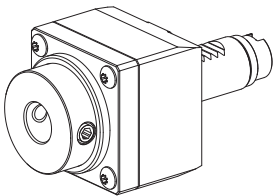
**10642666 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	93 (3.66) / - / 31 (1.22) mm (")



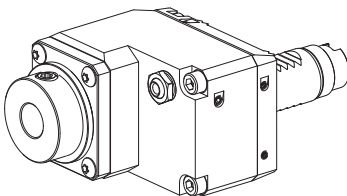
**10591979 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, $p_{max}$ 20 bar
<b>Speed ratio</b>	4.5:1 (4.5)
<b>X / Y / Z</b>	83.5 (3.29) / - / 0 ( ) mm (")



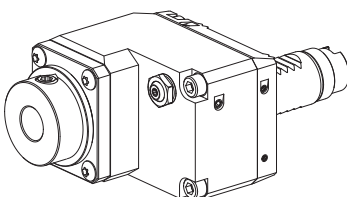
**10857236 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	DIN 1835 B/E D3/4"
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	72 (2.83) / - / - mm (")



**10136933 Milling unit**

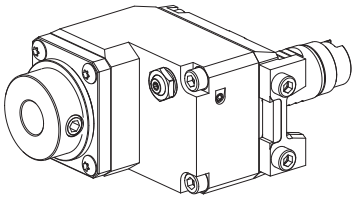
<b>Fixation</b>	W serration
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	92 (3.62) / - / 35 (1.38) mm (")



**10410570 Milling unit**

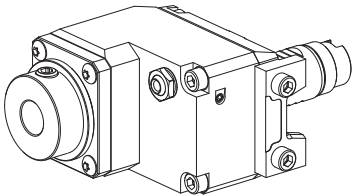
<b>Fixation</b>	W serration
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	92 (3.62) / - / 35 (1.38) mm (")

# Live tool holder Shank VDI25



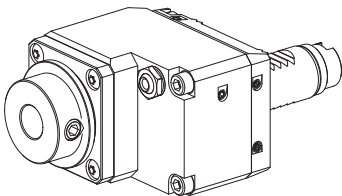
## 10480988 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	92 (3.62) / – / 35 (1.38) mm (")



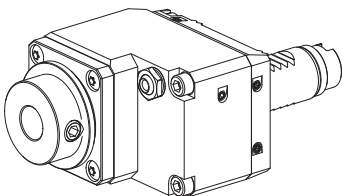
## 10790396 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	92 (3.62) / – / 35 (1.38) mm (")



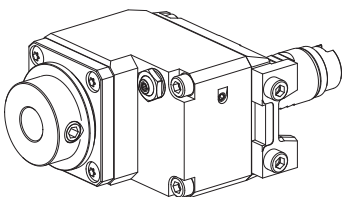
## 10420233 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	93 (3.66) / – / 31 (1.22) mm (")



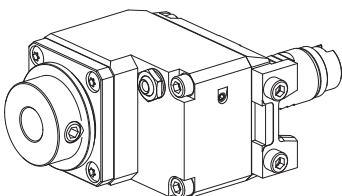
## 11062897 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	93 (3.66) / – / 31 (1.22) mm (")



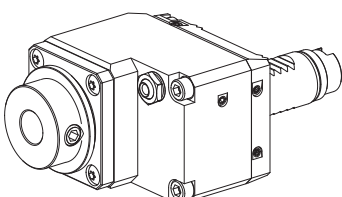
## 10860043 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	93 (3.66) / – / 31 (1.22) mm (")



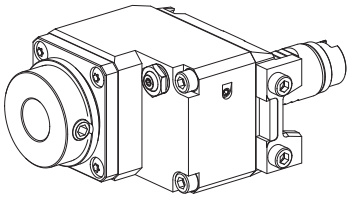
## 11043249 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	93 (3.66) / – / 31 (1.22) mm (")



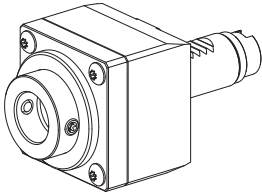
## 10038392 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	external and internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	93 (3.66) / – / 31 (1.22) mm (")



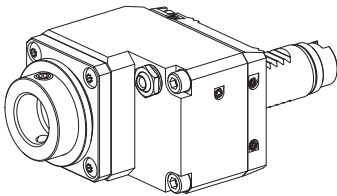
**11090796 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D20 (0.79 ")
<b>Cooling</b>	internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	93 (3.66) / - / 31 (1.22) mm (")



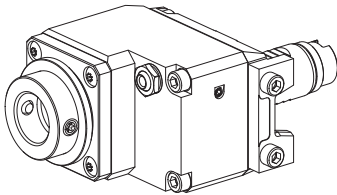
**10801026 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	69 (2.72) / - / - mm (")



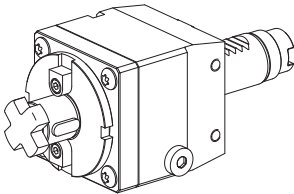
**10061745 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	91.4 (3.60) / - / 31 (1.22) mm (")



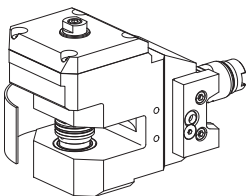
**10411900 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	91 (3.58) / - / 31 (1.22) mm (")



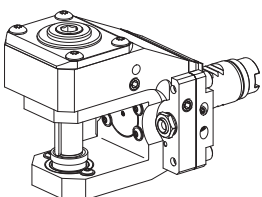
**10425512 Milling unit**

<b>Fixation</b>	none
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	external, $p_{max}$ 20 bar
<b>Speed ratio</b>	4.5:1 (4.5)
<b>X / Y / Z</b>	73.5 (2.89) / - / 0 ( ) mm (")



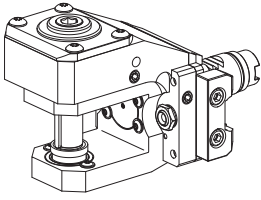
**10403930 Circular saw unit, vertically adjustable**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 20 bar
<b>Speed ratio</b>	2.05:1 (2.05)
<b>X / Y / Z</b>	79.5 (3.13) / - / - mm (")



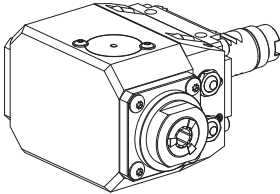
**10546310 Circular saw unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	3.5:1 (3.5)
<b>X / Y / Z</b>	79 (3.11) / - / - mm (")



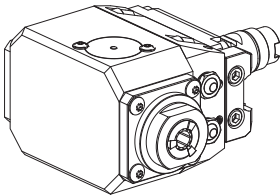
**10444685 Circular saw unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	3.5:1 (3.5)
<b>X / Y / Z</b>	79 (3.11) / - / - mm (")



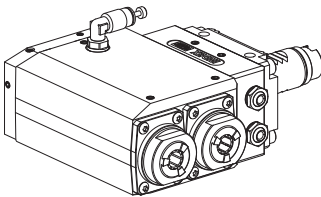
**10793977 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2.88 (0.347)
<b>X / Y / Z</b>	70 (2.76) / - / 80 (3.15) mm (")



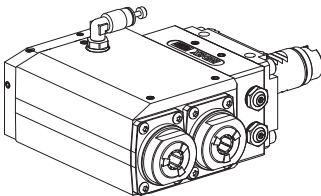
**10293075 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2.88 (0.347)
<b>X / Y / Z</b>	70 (2.76) / - / 80 (3.15) mm (")



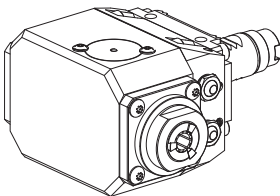
**10037360 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 + 110 (2.76 + 4.33) / - / 71.3 (2.81) mm (")



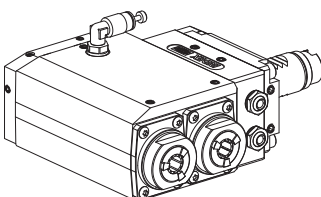
**10163263 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	internal, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 + 110 (2.76 + 4.33) / - / 71.3 (2.81) mm (")



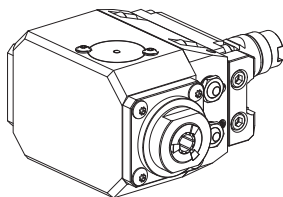
**10363369 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / - / 80 (3.15) mm (")



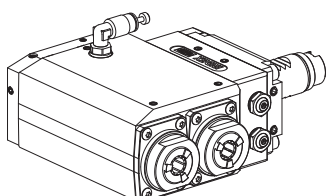
**10115327 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 + 110 (2.76 + 4.33) / - / 71 (2.80) mm (")



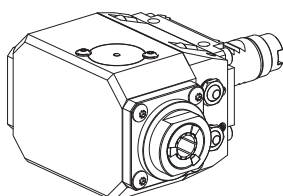
**10298225 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 16
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 80 (3.15) mm (")



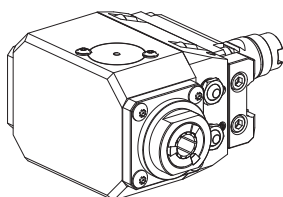
**10835385 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 16
<b>Cooling</b>	internal, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 + 110 (2.76 + 4.33) / – / 71.3 (2.81) mm (")



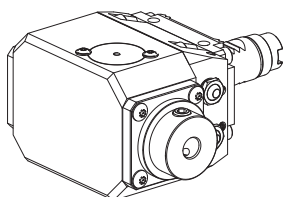
**11064426 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 80 (3.15) mm (")



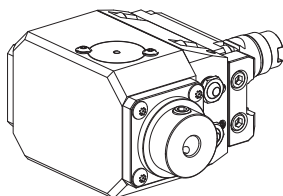
**10303082 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 80 (3.15) mm (")



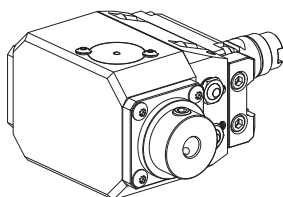
**10180528 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D12 (0.47 ")
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2.88 (0.347)
<b>X / Y / Z</b>	70 (2.76) / – / 85.5 (3.37) mm (")



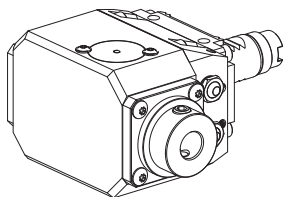
**10826106 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D12 (0.47 ")
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2.88 (0.347)
<b>X / Y / Z</b>	70 (2.76) / – / 85.5 (3.37) mm (")



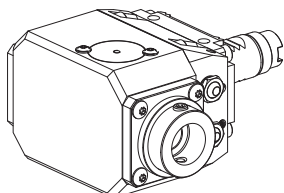
**10665790 Drilling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D12 (0.47 ")
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 85.5 (3.37) mm (")



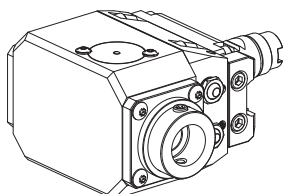
#### 10822454 Drilling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 85.5 (3.37) mm (")



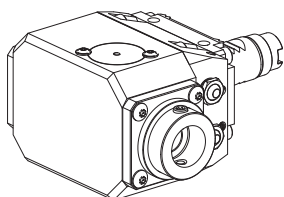
#### 11024822 Drilling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2.88 (0.347)
<b>X / Y / Z</b>	70 (2.76) / – / 82.5 (3.25) mm (")



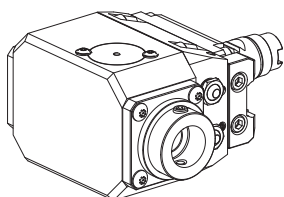
#### 10860091 Drilling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2.88 (0.347)
<b>X / Y / Z</b>	70 (2.76) / – / 82.5 (3.25) mm (")



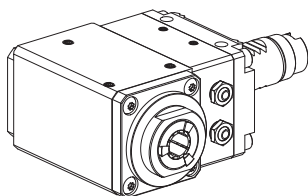
#### 10592359 Drilling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 82.5 (3.25) mm (")



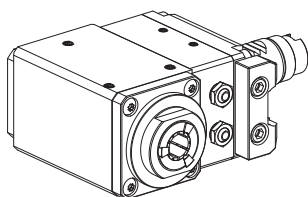
#### 10512409 Drilling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	70 (2.76) / – / 82.5 (3.25) mm (")



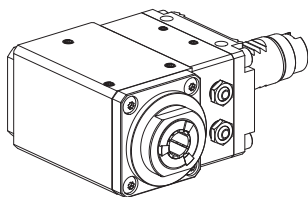
#### 10017916 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 60.5 (2.38) mm (")



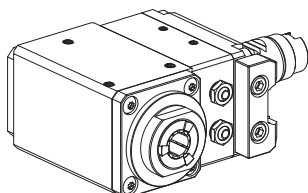
#### 10111860 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 61 (2.40) mm (")



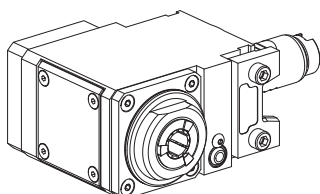
**10362884 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 61 (2.40) mm (")



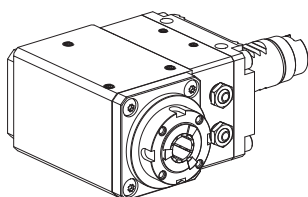
**10356084 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 60.5 (2.38) mm (")



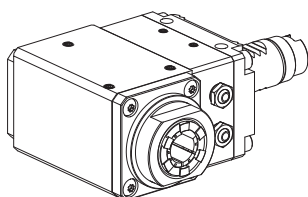
**10764640 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, internal optional, $p_{max}$ 20 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 53 (2.09) mm (")



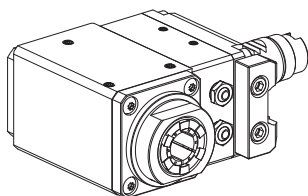
**10689846 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20 PRECI-FLEX
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 63 (2.48) mm (")



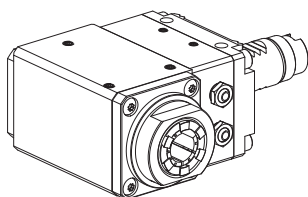
**10392320 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 64 (2.52) mm (")



**10892159 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 64 (2.52) mm (")

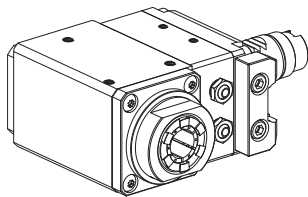


**10079110 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 64 (2.52) mm (")

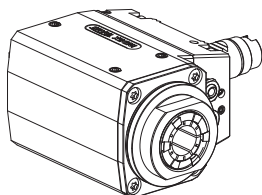


# Live tool holder Shank VDI25



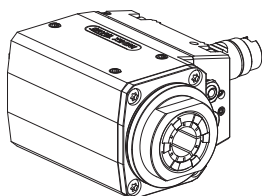
## 10941580 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 25
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 64 (2.52) mm (")



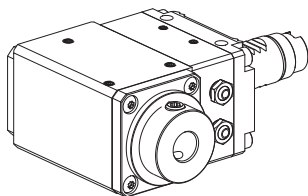
## 11164790 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 32
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 90 (3.54) mm (")



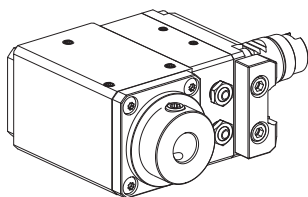
## 11164783 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 32
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 90 (3.54) mm (")



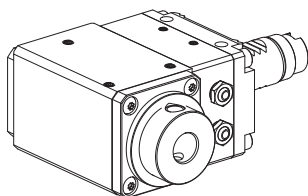
## 10425542 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 67 (2.64) mm (")



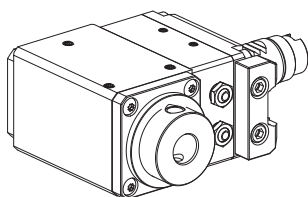
## 10517132 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 67 (2.64) mm (")



## 10702769 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 67 (2.64) mm (")

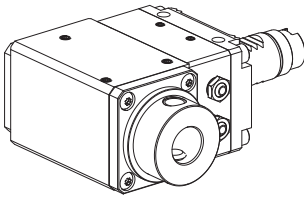


## 10344410 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D16 (0.63 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 67 (2.64) mm (")

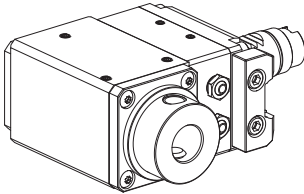


# Live tool holder Shank VDI25



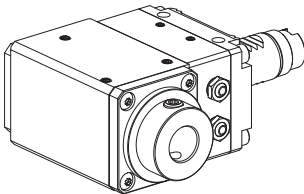
## 10444044 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 71 (2.80) mm (")



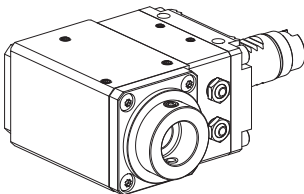
## 10975060 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	DIN 1835 B/E D20 (0.79 ")
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 71 (2.80) mm (")



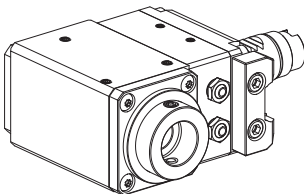
## 10721543 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	DIN 1835 B/E D3/4"
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	69.5 (2.74) / – / 68.5 (2.70) mm (")



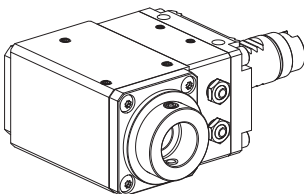
## 10169413 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 64.5 (2.54) mm (")



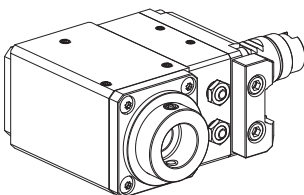
## 10193100 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 64.5 (2.54) mm (")



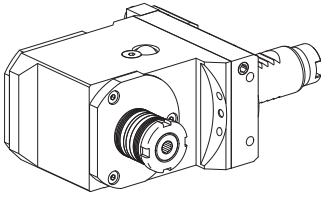
## 10216902 Milling unit

<b>Fixation</b>	W serration
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 64.5 (2.54) mm (")



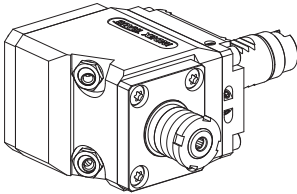
## 10196660 Milling unit

<b>Fixation</b>	Vee bar
<b>Mounting</b>	WFB 24-16
<b>Cooling</b>	external, internal optional, $p_{\max}$ 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 64.5 (2.54) mm (")



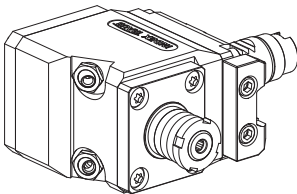
**10305967 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 20 bar
<b>Speed ratio</b>	2.36:1 (2.36)
<b>X / Y / Z</b>	73 (2.87) / – / 17 (0.67) mm (")



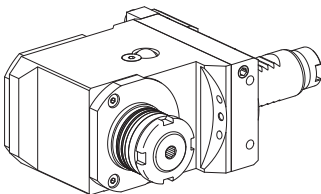
**10483871 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2.5:1 (2.5)
<b>X / Y / Z</b>	55 (2.17) / – / 45 (1.77) mm (")



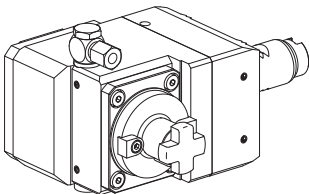
**10272736 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2.5:1 (2.5)
<b>X / Y / Z</b>	55 (2.17) / – / 45 (1.77) mm (")



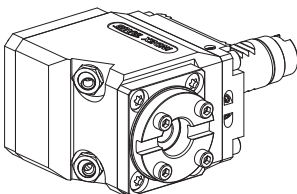
**10783835 Milling unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	external, $p_{max}$ 20 bar
<b>Speed ratio</b>	2.36:1 (2.36)
<b>X / Y / Z</b>	73 (2.87) / – / 20 (0.79) mm (")



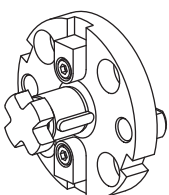
**10356214 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2.5:1 (2.5)
<b>X / Y / Z</b>	75 (2.95) / – / 41 (1.61) mm (")



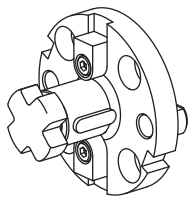
**10838926 Milling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	–
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	2.5:1 (2.5)
<b>X / Y / Z</b>	55 (2.17) / – / 53 (2.09) mm (")



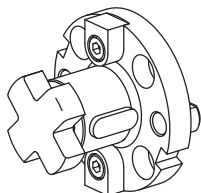
**10670447 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D13 (0.51 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



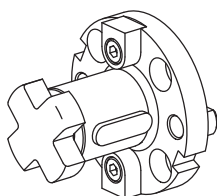
**11041286 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D16 (0.63 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



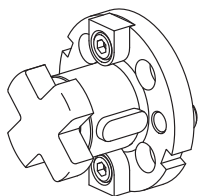
**10435497 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



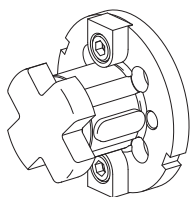
**12011567 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D22 (0.87 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	32.5 (1.28) / – / – mm (")



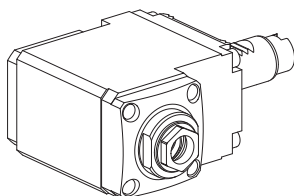
**10807705 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D27 (1.06 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



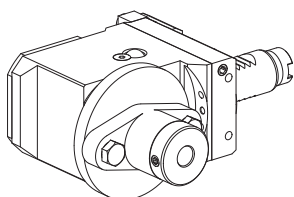
**10223928 Milling cutter holding block**

<b>Fixation</b>	–
<b>Mounting</b>	Milling shaft D32 (1.26 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



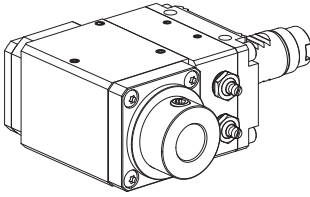
**10390037 Tapping unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 20
<b>Cooling</b>	external, p <sub>max</sub> 80 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	70 (2.76) / – / 69 (2.72) mm (")



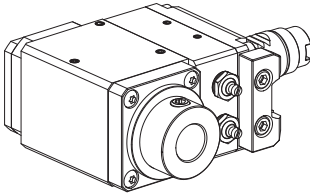
**10622506 Broaching/ Slotting unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D12 (0.47 ")
<b>Cooling</b>	external, p <sub>max</sub> 20 bar
<b>Speed ratio</b>	2.36:1 (2.36)
<b>X / Y / Z</b>	73 (2.87) / – / 73.6 (2.90) mm (")



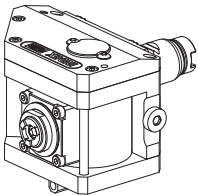
**10766208 Broaching/ Slotting unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	D20 (0.79 ")
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 69 (2.72) mm (")



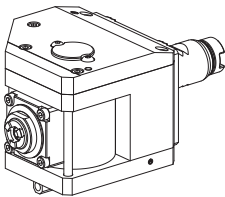
**10971676 Broaching/ Slotting unit**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	D20 (0.79 ")
<b>Cooling</b>	external, internal optional, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	70 (2.76) / – / 69 (2.72) mm (")



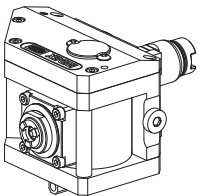
**10558202 Drilling unit**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1.7 (0.588)
<b>X / Y / Z</b>	44 (1.73) / – / 37 (1.46) mm (")



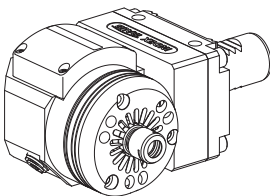
**10566421 Drilling unit, angle-adjustable**

<b>Fixation</b>	W serration
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1.7 (0.588)
<b>X / Y / Z</b>	67 (2.64) / – / 24 (0.94) mm (")



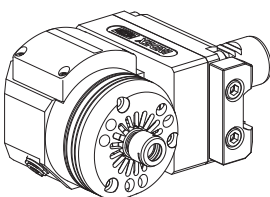
**10345861 Drilling unit, angle-adjustable**

<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{max}$ 80 bar
<b>Speed ratio</b>	1:1.7 (0.588)
<b>X / Y / Z</b>	44 (1.73) / – / 67 (2.64) mm (")



**10646377 Fluid spindle, up to 40,000 1/min**

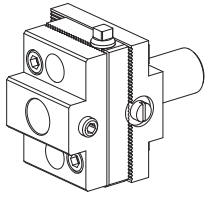
<b>Fixation</b>	W serration
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{max}$ 40 bar
<b>X / Y / Z</b>	70 (2.76) / – / 64 (2.52) mm (")



**11095303 Fluid spindle, up to 40,000 1/min**

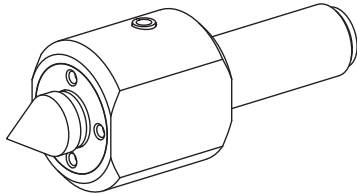
<b>Fixation</b>	Vee bar
<b>Mounting</b>	ER 11
<b>Cooling</b>	external, $p_{max}$ 40 bar
<b>X / Y / Z</b>	70 (2.76) / – / 64 (2.52) mm (")

# Tool holder to spring-loaded tap holder Shank 3/4"



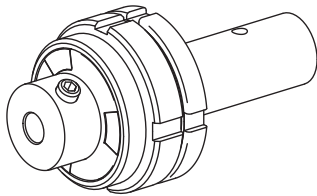
## 11074608 Drilling tool holder, vertically adjustable

<b>Fixation</b>	none
<b>Mounting</b>	D15 (0.59 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	48 (1.89) / – / – mm (")



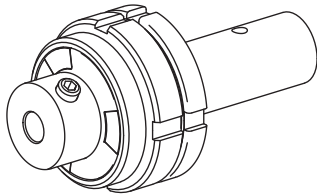
## 10376272 Center holder, elastic, live

<b>Fixation</b>	none
<b>Mounting</b>	MK0
<b>Cooling</b>	–
<b>X / Y / Z</b>	61 (2.40) / – / – mm (")



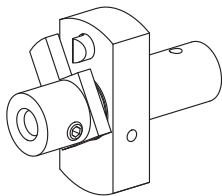
## 10398672 Tapping tool holder, over-running

<b>Fixation</b>	none
<b>Mounting</b>	D8 (0.31 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	41 (1.61) / – / – mm (")



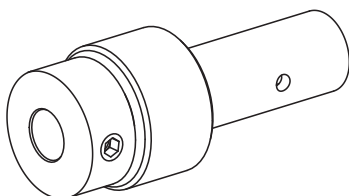
## 10646298 Tapping tool holder, over-running

<b>Fixation</b>	none
<b>Mounting</b>	D8 (0.31 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	41 (1.61) / – / – mm (")



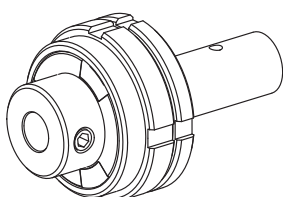
## 10955662 Tapping tool holder, over-running

<b>Fixation</b>	none
<b>Mounting</b>	D8 (0.31 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	38 (1.50) / – / – mm (")



## 10022420 Tapping tool holder, extendable

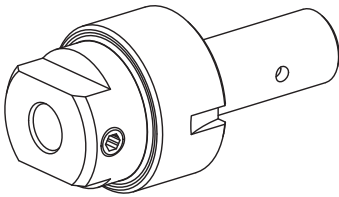
<b>Fixation</b>	none
<b>Mounting</b>	D12 (0.47 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	36 (1.42) / – / – mm (")



## 10367051 Tapping tool holder, over-running

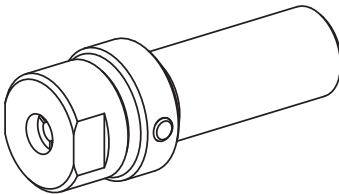
<b>Fixation</b>	none
<b>Mounting</b>	D12 (0.47 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	41 (1.61) / – / – mm (")

# Tool holder to spring-loaded tap holder Shank 3/4"



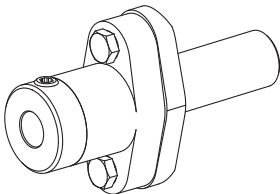
## 10691613 Tapping tool holder, extendable

Fixation	none
Mounting	D12 (0.47 ")
Cooling	–
X / Y / Z	41 (1.61) / – / – mm (")



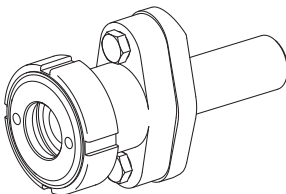
## 10114544 Tapping tool holder, extendable

Fixation	none
Mounting	–
Cooling	–
X / Y / Z	26 (1.02) / – / – mm (")



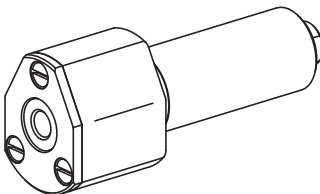
## 10852881 Broaching/ Slotting holder, rotating, live

Fixation	none
Mounting	D12 (0.47 ")
Cooling	–
X / Y / Z	52 (2.05) / – / – mm (")



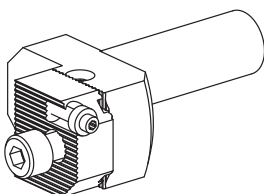
## 10694118 Broaching/ Slotting holder, rotating, live

Fixation	none
Mounting	D24 (0.94 ")
Cooling	–
X / Y / Z	55 (2.17) / – / – mm (")



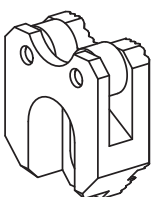
## 10497461 Guide holder

Fixation	none
Mounting	D6 (0.24 ")
Cooling	–
X / Y / Z	27 (1.06) / – / – mm (")



## 10974901 Guide holder, adjustable

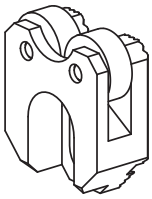
Fixation	none
Mounting	D12 (0.47 ")
Cooling	–
X / Y / Z	34 (1.34) / – / – mm (")



## 10686673 Roller holding block

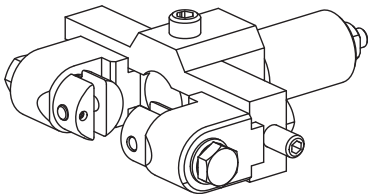
Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / – mm (")

# Tool holder to spring-loaded tap holder Shank 3/4"



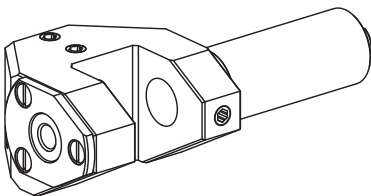
## 11071318 Roller holding block

<b>Fixation</b>	–
<b>Mounting</b>	–
<b>Cooling</b>	–
<b>X / Y / Z</b>	– / – / – mm (")



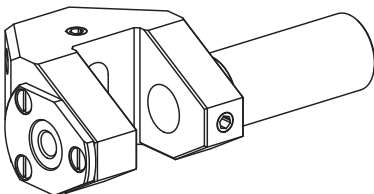
## 10126683 Knurling tool holder, adjustable

<b>Fixation</b>	none
<b>Mounting</b>	D2-24 (0.08 " - 0.94 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	51 (2.01) / – / – mm (")



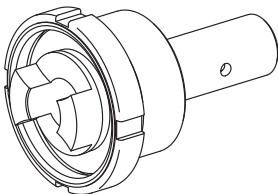
## 10900179 Turning and guide holder

<b>Fixation</b>	none
<b>Mounting</b>	D6 (0.24 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	48 (1.89) / – / – mm (")



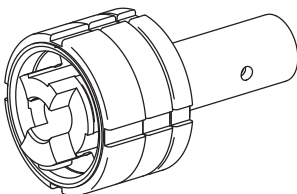
## 11045363 Turning and guide holder

<b>Fixation</b>	none
<b>Mounting</b>	D6 (0.24 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	48 (1.89) / – / – mm (")



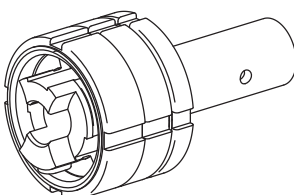
## 10612591 Thread cutting holder, extendable

<b>Fixation</b>	none
<b>Mounting</b>	Buttress thread S48x1.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	38 (1.50) / – / – mm (")



## 10218668 Thread cutting holder, over-running

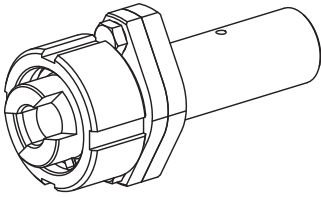
<b>Fixation</b>	none
<b>Mounting</b>	Buttress thread S38x1.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	38 (1.50) / – / – mm (")



## 10320599 Thread cutting holder, over-running

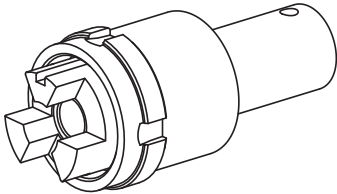
<b>Fixation</b>	none
<b>Mounting</b>	Buttress thread S38x1.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	38 (1.50) / – / – mm (")

# Tool holder to spring-loaded tap holder Shank 3/4"



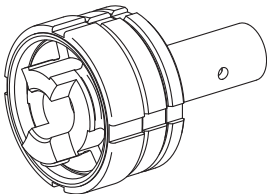
## 10949890 Thread cutting holder, extendable

<b>Fixation</b>	none
<b>Mounting</b>	M28x1
<b>Cooling</b>	–
<b>X / Y / Z</b>	38 (1.50) / – / – mm (")



## 10448210 Thread cutting holder, extendable

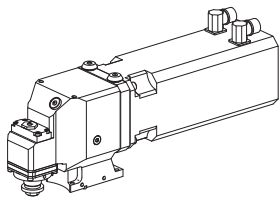
<b>Fixation</b>	none
<b>Mounting</b>	M29x1
<b>Cooling</b>	–
<b>X / Y / Z</b>	43 (1.69) / – / – mm (")



## 10247273 Thread cutting holder, over-running

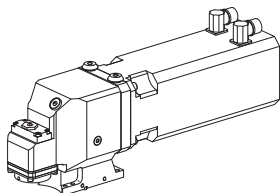
<b>Fixation</b>	none
<b>Mounting</b>	M48x1.5
<b>Cooling</b>	–
<b>X / Y / Z</b>	41 (1.61) / – / – mm (")





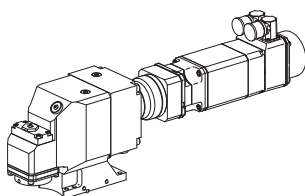
## 10098017 Polygon turning unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX KK-32
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm (")



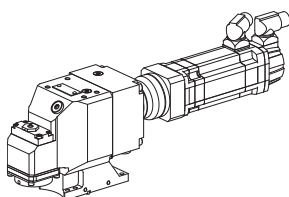
## 10973223 Polygon turning unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX KK-32
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	1:1 (1)
<b>X / Y / Z</b>	– / – / – mm (")



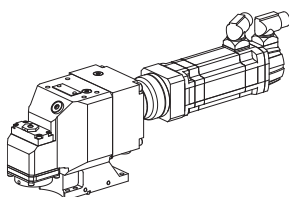
## 10889230 Polygon turning unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX KK-32
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	5:1 (5)
<b>X / Y / Z</b>	– / – / – mm (")



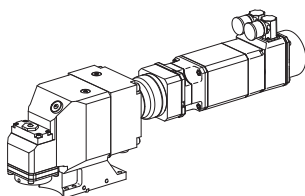
## 10989902 Polygon turning unit, for control C200-sl

<b>Fixation</b>	–
<b>Mounting</b>	INDEX KK-32
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	5:1 (5)
<b>X / Y / Z</b>	– / – / – mm (")



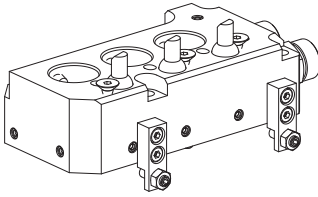
## 1095783 Polygon turning unit, for control C200-sl

<b>Fixation</b>	–
<b>Mounting</b>	INDEX KK-32
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	7:1 (7)
<b>X / Y / Z</b>	– / – / – mm (")



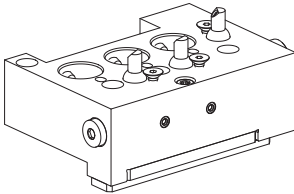
## 10970341 Polygon turning unit

<b>Fixation</b>	–
<b>Mounting</b>	INDEX KK-32
<b>Cooling</b>	external, $p_{\max}$ 30 bar
<b>Speed ratio</b>	7:1 (7)
<b>X / Y / Z</b>	– / – / – mm (")



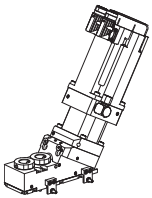
### 10123787 Back end unit

<b>Fixation</b>	–
<b>Mounting</b>	Drill holding block D22
<b>Cooling</b>	external and internal, $p_{max}$ extern. 40 bar, intern. 80 bar
<b>X / Y / Z</b>	– / – / – mm (")



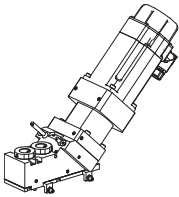
### 10168590 Back end unit

<b>Fixation</b>	–
<b>Mounting</b>	Drill holding block D22
<b>Cooling</b>	external, $p_{max}$ 30 bar
<b>X / Y / Z</b>	– / – / – mm (")



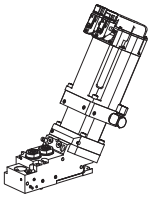
### 10397072 Back end unit, spindle position 3

<b>Fixation</b>	–
<b>Mounting</b>	WFB 20-12
<b>Cooling</b>	external, $p_{max}$ 30 bar
<b>Speed ratio</b>	1:1.8 (0.555)
<b>X / Y / Z</b>	– / – / – mm (")



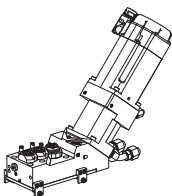
### 10362096 Back end unit

<b>Fixation</b>	–
<b>Mounting</b>	WFB 20-12
<b>Cooling</b>	external, $p_{max}$ 30 bar
<b>Speed ratio</b>	2:1 (2)
<b>X / Y / Z</b>	– / – / – mm (")



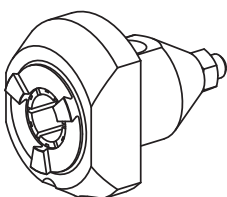
### 11059380 Back end unit

<b>Fixation</b>	–
<b>Mounting</b>	1x D22 (0.87") – 2x ER 11
<b>Cooling</b>	external, $p_{max}$ 30 bar
<b>Speed ratio</b>	1:2 (0.5)
<b>X / Y / Z</b>	– / – / – mm (")



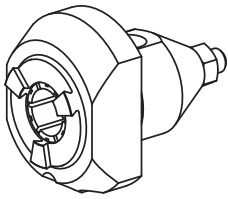
### 10026174 Back end unit

<b>Fixation</b>	–
<b>Mounting</b>	2x D22 (0.87") – 1x WFB 20-12
<b>Cooling</b>	external and internal, $p_{max}$ 30 bar
<b>Speed ratio</b>	1:1,90 (0,526)
<b>X / Y / Z</b>	– / – / – mm (")



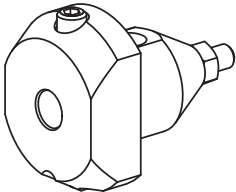
### 10417636 Drill holding block

<b>Fixation</b>	Shank D22
<b>Mounting</b>	ER 16
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



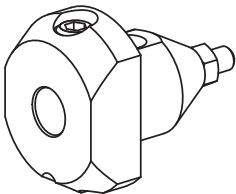
### 10757759 Drill holding block, sealed

<b>Fixation</b>	Shank D22
<b>Mounting</b>	ER 16
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



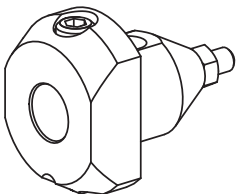
### 10884793 Drill holding block

<b>Fixation</b>	Shank D22
<b>Mounting</b>	D8 (0.31 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



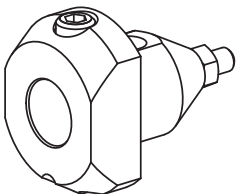
### 11168823 Drill holding block

<b>Fixation</b>	Shank D22
<b>Mounting</b>	D10 (0.39 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



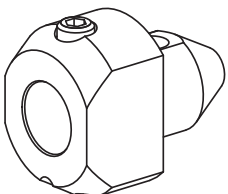
### 10406274 Drill holding block

<b>Fixation</b>	Shank D22
<b>Mounting</b>	D12 (0.47 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



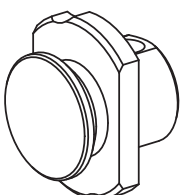
### 10336013 Drill holding block

<b>Fixation</b>	Shank D22
<b>Mounting</b>	D14 (0.55 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



### 10246879 Drill holding block

<b>Fixation</b>	Shank D22
<b>Mounting</b>	D16 (0.63 ")
<b>Cooling</b>	–
<b>X / Y / Z</b>	21 (0.83) / – / – mm (")



### 10633382 Blanking plug

<b>Fixation</b>	Shank D22
<b>Mounting</b>	–
<b>Cooling</b>	–
<b>X / Y / Z</b>	13 (0.51) / – / – mm (")



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