



INDEX MS16-6/ INDEX MS16-6Plus

[Tool holder](#)

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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.

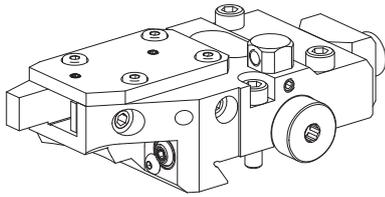
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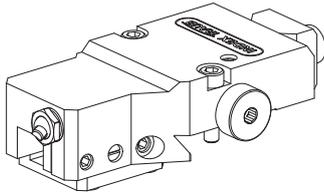
Stationary tool holder

Cross Slide Unit 1.1, 2.2, 3.1, 4.2, 5.1



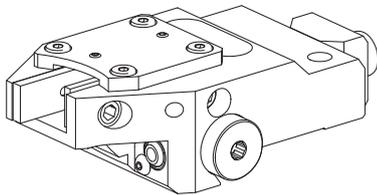
10103849 Turning tool holder

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



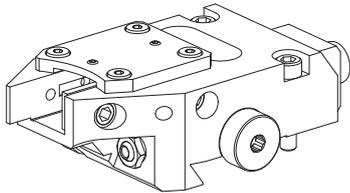
12002435 Turning tool holder

Fixation	–
Mounting	square 16x16
Cooling	external, p_{max} 80 bar
X / Y / Z	47 (1.85) / – / 3 (0.12) mm (")



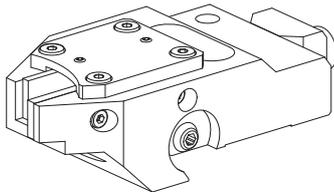
10003727 Turning tool holder

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



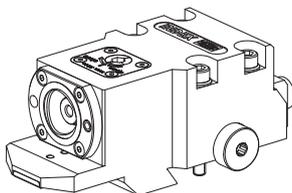
12050246 Turning tool holder

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



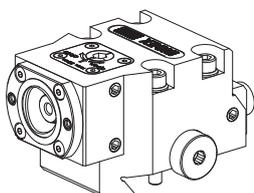
10244868 Turning tool holder

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



10469477 Clamping unit, with stop

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

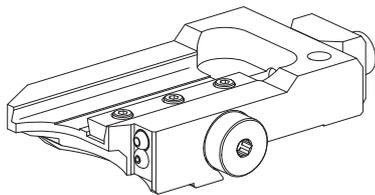


10936448 Clamping unit

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

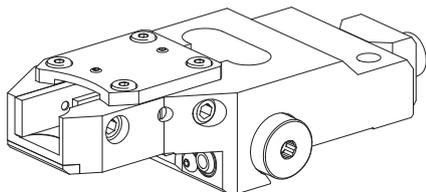
Stationary tool holder

Cross Slide Unit 1.1, 2.2, 3.1, 4.2, 5.1



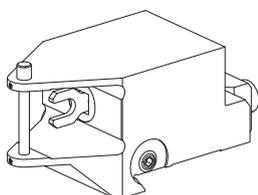
10457876 Grooving tool holder

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



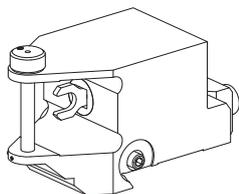
10810737 Grooving tool and stop holder

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



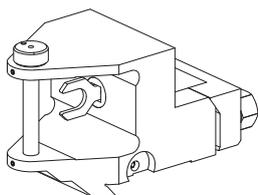
12054450 Basic holder

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



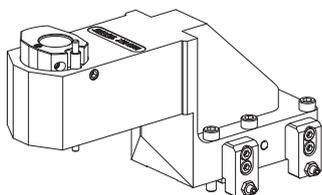
12054537 Basic holder

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



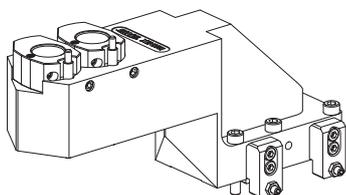
12054538 Basic holder

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



10006454 Basic holder

Fixation	–
Mounting	Hydraulic expansion chuck D20
Cooling	–
X / Y / Z	82.3 (3.24) / – / 50 (1.97) mm (")

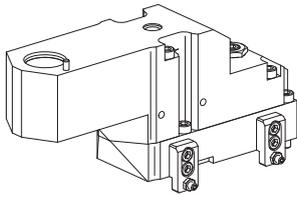


10815162 Basic holder, double

Fixation	–
Mounting	Hydraulic expansion chuck D20
Cooling	–
X / Y / Z	72.1 + 107.1 (2.84 + 4.22) / – / 50 (1.97) mm (")

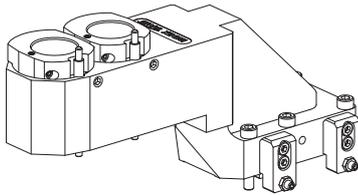
Stationary tool holder

Cross Slide Unit 1.1, 2.2, 3.1, 4.2, 5.1



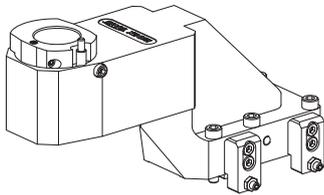
10340339 Basic holder

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



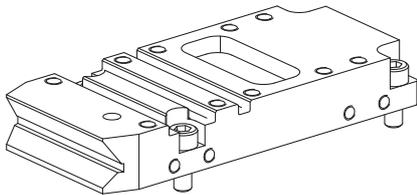
10639196 Basic holder, double

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



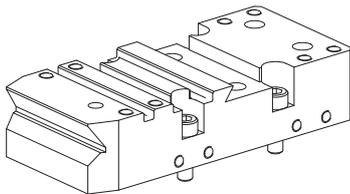
10930315 Basic holder

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



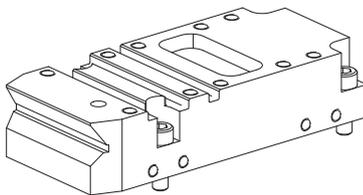
10583516 Distance plate

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



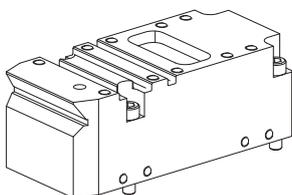
10008391 Distance plate

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



10835462 Distance plate

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

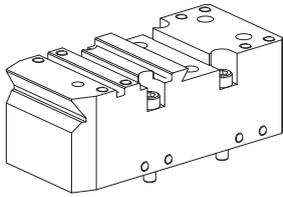


10028477 Distance plate

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

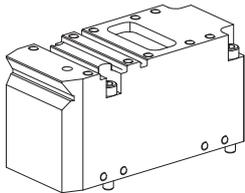
Stationary tool holder

Cross Slide Unit 1.1, 2.2, 3.1, 4.2, 5.1



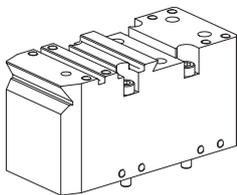
10678775 Distance plate

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



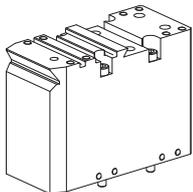
10359947 Distance plate

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



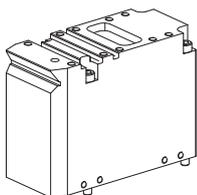
10668610 Distance plate

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



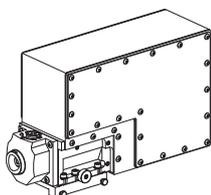
10369833 Distance plate

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



10724690 Distance plate

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

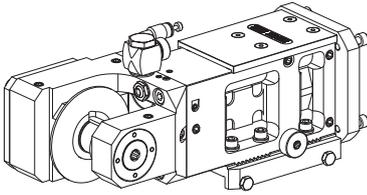


10072866 Turning turret

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

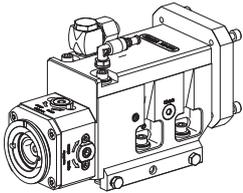
Live tool holder

Cross Slide Unit 1.1, 2.2, 3.1, 4.2, 5.1



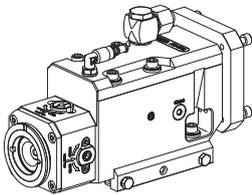
10048093 Milling unit

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



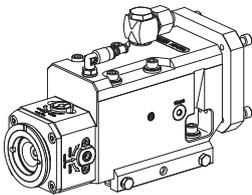
11093533 Milling unit

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



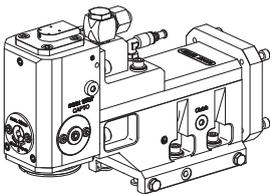
11089692 Milling unit

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



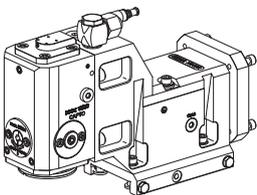
11089694 Milling unit

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



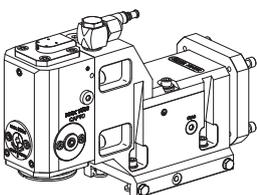
11093536 Milling unit

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



11093534 Milling unit

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

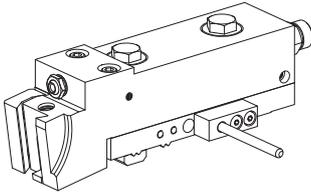


11093535 Milling unit

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

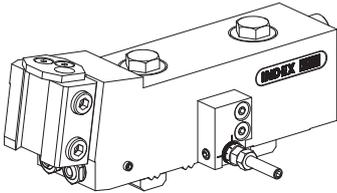
Stationary tool holder

Grooving unit 1.2, 2.1, 3.2, 4.1, 5.2



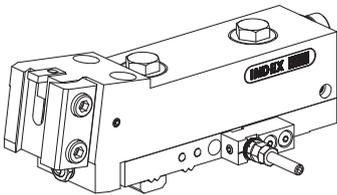
10145099 Grooving tool holder, angle-adjustable, X.1

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 82 (3.23) / – / 25 (0.98) mm (")



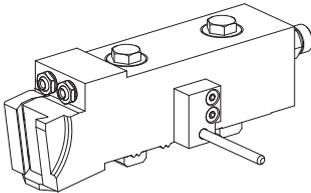
10667537 Grooving tool holder, X.2

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 106 (4.17) / – / 25 (0.98) mm (")



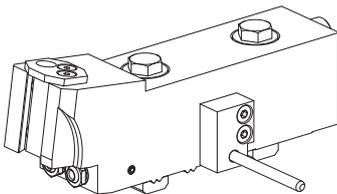
10807171 Grooving tool holder, angle-adjustable, X.2

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 82 (3.23) / – / 25 (0.98) mm (")



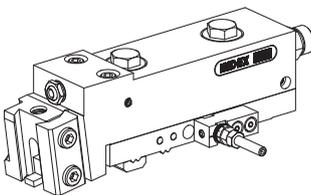
11049283 Grooving tool holder, X.1

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 106 (4.17) / – / 25 (0.98) mm (")



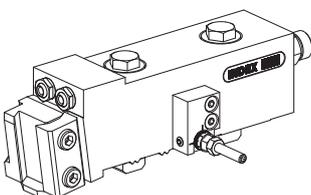
10399363 Grooving tool holder, X.1

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 106 (4.17) / – / 25 (0.98) mm (")



10649905 Grooving tool holder, angle-adjustable, X.2

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 82 (3.23) / – / 25 (0.98) mm (")

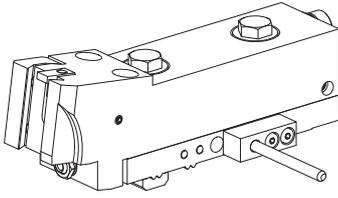


10897521 Grooving tool holder, X.2

Fixation W serration
Mounting Forming tool AWN 28
Cooling external, p_{max} 80 bar
X / Y / Z 106 (4.17) / – / 25 (0.98) mm (")

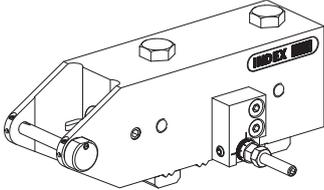
Stationary tool holder

Grooving unit 1.2, 2.1, 3.2, 4.1, 5.2



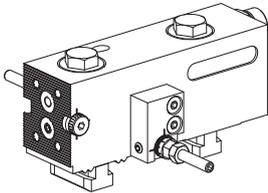
11071590 Grooving tool holder, angle-adjustable, X.1

Fixation	W serration
Mounting	Forming tool AWN 28
Cooling	external, p_{\max} 80 bar
X / Y / Z	82 (3.23) / – / 25 (0.98) mm (")



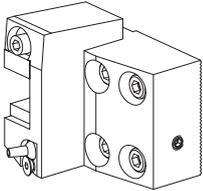
10864983 Basic holder

Fixation	W serration
Mounting	Fette T160F
Cooling	–
X / Y / Z	88 (3.46) / – / 0 () mm (")



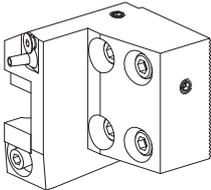
10063273 Basic holder

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



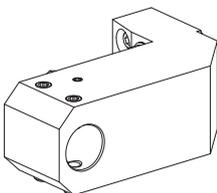
10598610 Grooving tool holding block, adjustable in the Z direction

Fixation	–
Mounting	square 16x16
Cooling	external, p_{\max} 80 bar
X / Y / Z	– / – / – mm (")



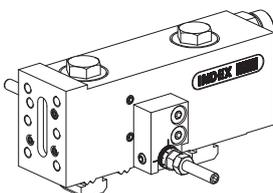
11075813 Grooving tool holding block, adjustable in the Z direction

Fixation	–
Mounting	square 16x16
Cooling	external, p_{\max} 80 bar
X / Y / Z	– / – / – mm (")



10318042 Mount

Fixation	–
Mounting	D25 (0.98 ")
Cooling	external, p_{\max} 80 bar
X / Y / Z	112.6 (4.43) / – / – mm (")

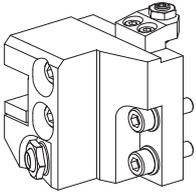


10759672 Basic holder

Fixation	W serration
Mounting	–
Cooling	external, p_{\max} 80 bar
X / Y / Z	29 (1.14) / – / – mm (")

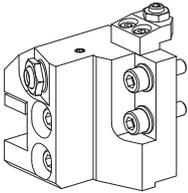
Stationary tool holder

Grooving unit 1.2, 2.1, 3.2, 4.1, 5.2



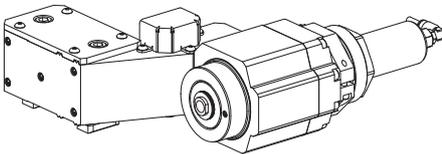
10600943 Grooving tool holding block, adjustable in the Y direction

Fixation	–
Mounting	square 16x16
Cooling	external, p_{\max} 80 bar
X / Y / Z	46 (1.81) / – / 22 (0.87) mm (")



10320028 Grooving tool holding block, adjustable in the Y direction

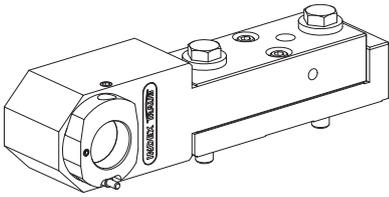
Fixation	–
Mounting	square 16x16
Cooling	external, p_{\max} 80 bar
X / Y / Z	46 (1.81) / – / 22 (0.87) mm (")



10478316 Center holder, sprung, live

Fixation	W serration
Mounting	D11.2 (0.44 ") / Cone 1:7.5
Cooling	–
X / Y / Z	– / – / – mm (")

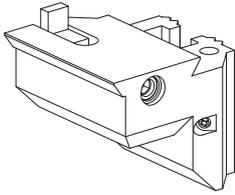
Stationary tool holder
Drilling unit 1.2, 2.1, 3.2, 4.1, 5.2



10156937 Basic holder

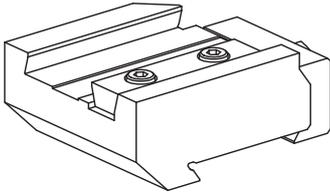
Fixation	W serration
Mounting	Hydraulic expan. Chuck D28.5
Cooling	–
X / Y / Z	72.5 (2.85) / – / – mm (")

Stationary tool holder Grooving unit 5.0, 6.0



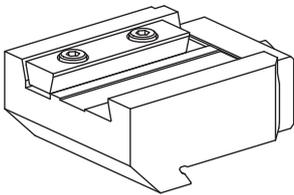
10707120 Basic holder, adjustable in the Y direction

Fixation	W serration
Mounting	–
Cooling	–
X / Y / Z	61.9 (2.44 ") / – / 52 (2.05) mm (")



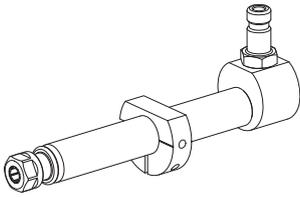
10972410 Grooving tool holding block

Fixation	–
Mounting	Trapezoid 26x4
Cooling	–
X / Y / Z	55 (2.17) / – / 21 (0.83) mm (")



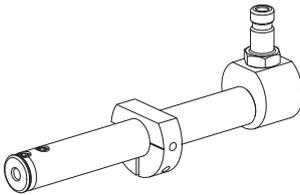
10099347 Grooving tool holding block

Fixation	–
Mounting	Trapezoid 26x4
Cooling	–
X / Y / Z	55 (2.17) / – / 21 (0.83) mm (")



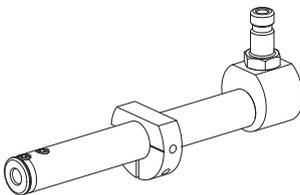
10664360 Drilling tool holder

Fixation Clamping ring D20
Mounting ER 11
Cooling internal, p_{max} 80 bar
X / Y / Z - / - / - mm (")



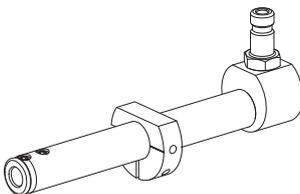
10750056 Drilling tool holder

Fixation Clamping ring D20
Mounting DIN 1835 B/E D6 (0.24 ")
Cooling internal, p_{max} 80 bar
X / Y / Z - / - / - mm (")



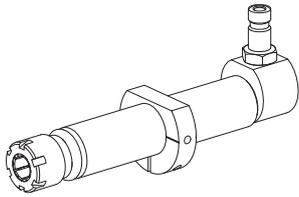
10195772 Drilling tool holder

Fixation Clamping ring D20
Mounting DIN 1835 B/E D8 (0.31 ")
Cooling internal, p_{max} 80 bar
X / Y / Z - / - / - mm (")



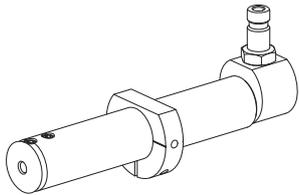
10912145 Drilling tool holder

Fixation Clamping ring D20
Mounting DIN 1835 B/E D10 (0.39 ")
Cooling internal, p_{max} 80 bar
X / Y / Z - / - / - mm (")



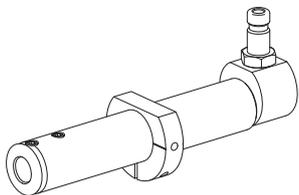
10672317 Drilling tool holder

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



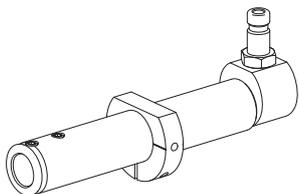
10188150 Drilling tool holder

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



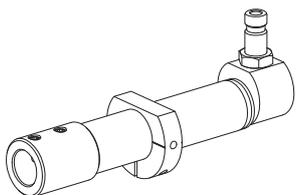
10480870 Drilling tool holder

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



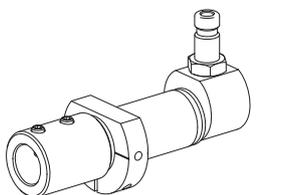
10219251 Drilling tool holder

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



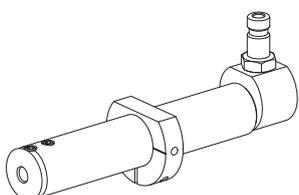
10617778 Drilling tool holder

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



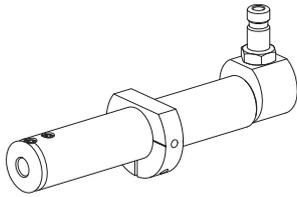
10684441 Drilling tool holder

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



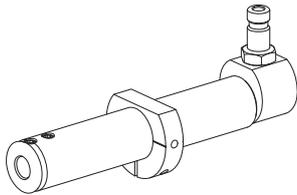
11015755 Drilling tool holder

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



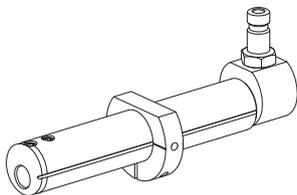
10258744 Drilling tool holder

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



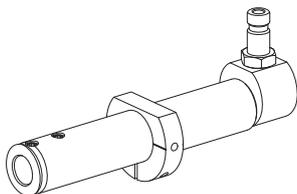
10218953 Drilling tool holder

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



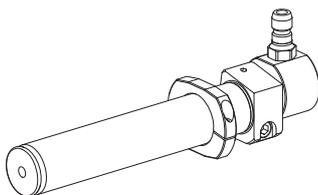
10852940 Drilling tool holder

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



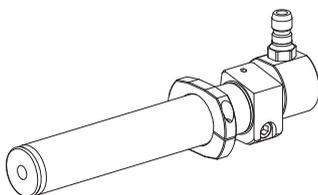
10139115 Drilling tool holder

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



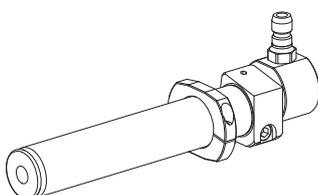
12008759 Drilling tool holder

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



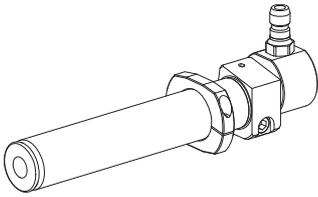
12034261 Drilling tool holder

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



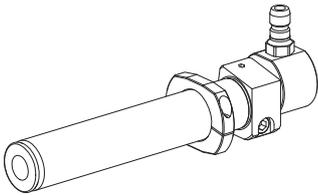
12028308 Drilling tool holder

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



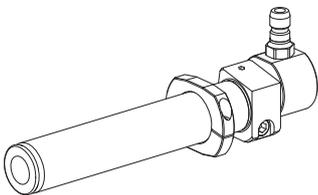
12028307 Drilling tool holder

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



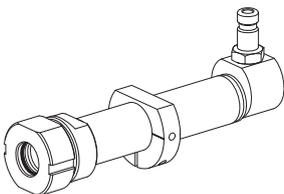
12034215 Drilling tool holder

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



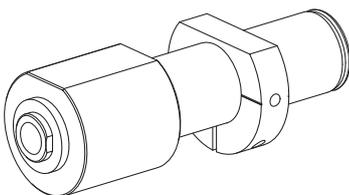
12028305 Drilling tool holder

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



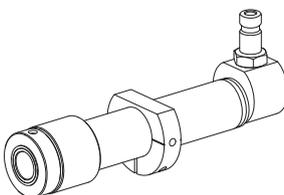
10132662 Compensation holder

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



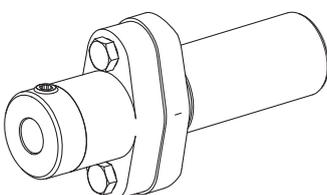
11016418 Center holder

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



10270154 Reaming tool holder

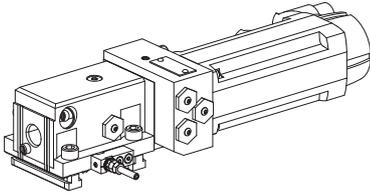
Fixation Clamping ring D28.5
Mounting D16 (0.63 ")
Cooling internal, p_{max} 80 bar
X / Y / Z - / - / - mm (")



10796227 Broaching/ Slotting holder

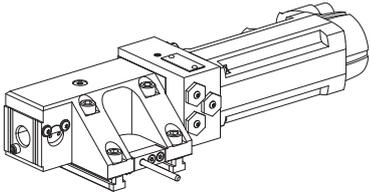
Fixation Clamping ring D28.5
Mounting D12 (0.47 ")
Cooling -
X / Y / Z 54 (2.13) / - / - mm (")

Tool drive unit Shank VDI20



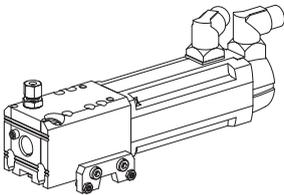
11004181 Tool drive unit

Fixation	W serration
Mounting	VDI 20
Cooling	internal, p_{\max} 80 bar
Speed ratio	1:1.5 (0.666)
X / Y / Z	- / - / - mm (")



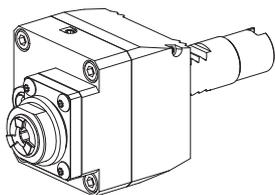
10745650 Tool drive unit

Fixation	W serration
Mounting	VDI 20
Cooling	internal, p_{\max} 80 bar
Speed ratio	1:1 (1)
X / Y / Z	- / - / - mm (")



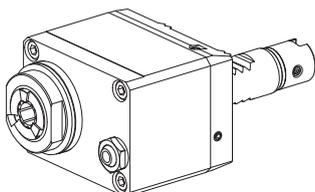
10053821 Tool drive unit

Fixation	-
Mounting	VDI 20
Cooling	internal, p_{\max} 80 bar
Speed ratio	1:1 (1)
X / Y / Z	- / - / - mm (")



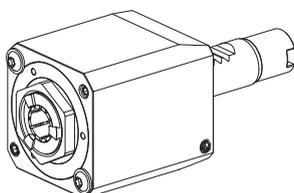
10652900 Drilling unit

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



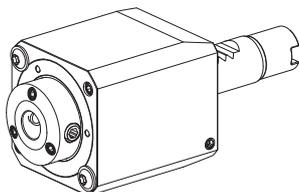
10645146 Drilling unit

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



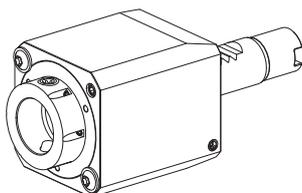
10848930 Drilling unit

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



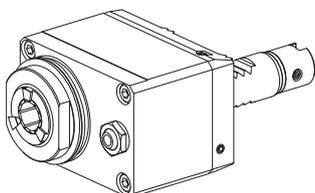
10890575 Drilling unit

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



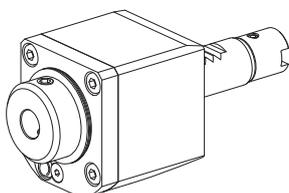
10646417 Drilling unit

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



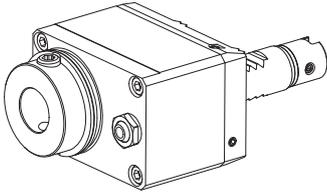
10246097 Milling unit

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



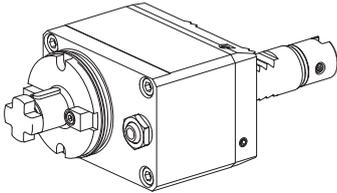
10411063 Milling unit

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



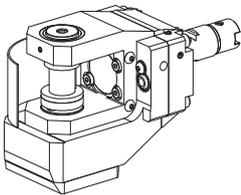
10643102 Milling unit

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



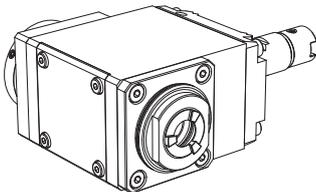
10202174 Milling unit

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



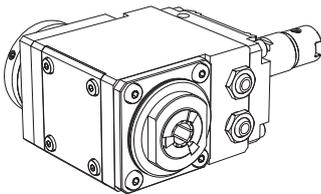
10051025 Circular saw unit

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



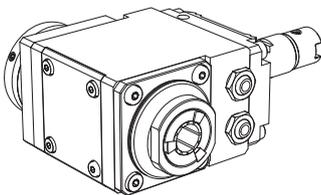
10966907 Drilling unit

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



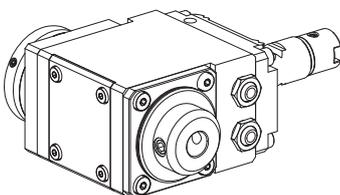
10354264 Milling unit

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



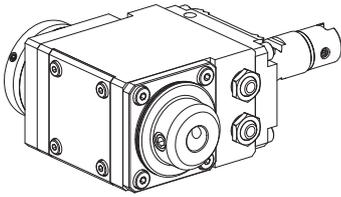
10105063 Milling unit

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



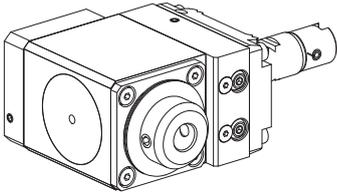
10062216 Milling unit

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



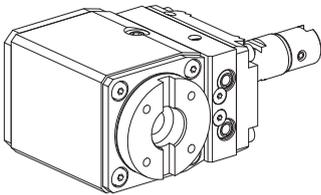
10894250 Milling unit

Fixation	W serration
Mounting	D12 (0.47 ")
Cooling	external, internal optional, p_{max} 80 bar
Speed ratio	2:1 (2)
X / Y / Z	64 (2.52) / – / 54 (2.13) mm (")



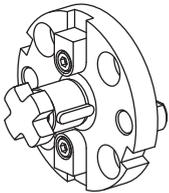
10354335 Milling unit

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



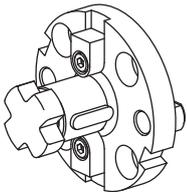
10393142 Milling unit

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



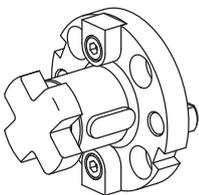
10670447 Milling cutter holding block

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



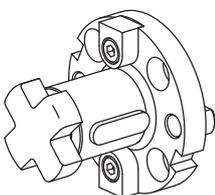
11041286 Milling cutter holding block

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



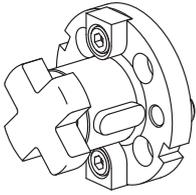
10435497 Milling cutter holding block

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



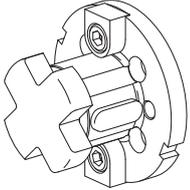
12011567 Milling cutter holding block

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



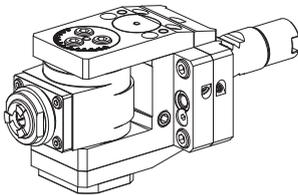
10807705 Milling cutter holding block

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



10223928 Milling cutter holding block

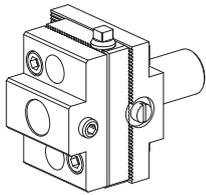
Fixation	–
Mounting	Milling shaft D32 (1.26 ")
Cooling	–
X / Y / Z	– / – / – mm (")



10593764 Drilling unit

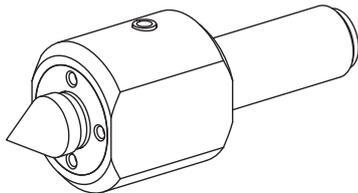
Fixation	W serration
Mounting	ER 11
Cooling	external, p_{max} 80 bar
Speed ratio	1:1.88 (0.533)
X / Y / Z	60 (2.36) / – / – mm (")

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



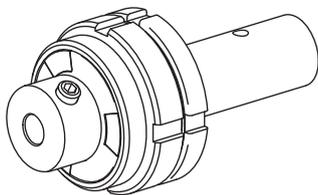
11074608 Drilling tool holder, vertically adjustable

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



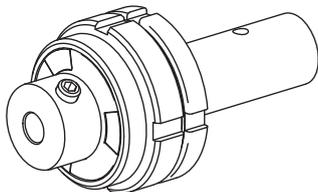
10376272 Center holder, elastic, live

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



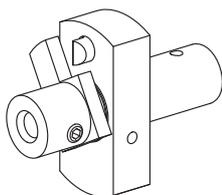
10398672 Tapping tool holder, over-running

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



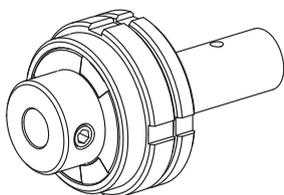
10646298 Tapping tool holder, over-running

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



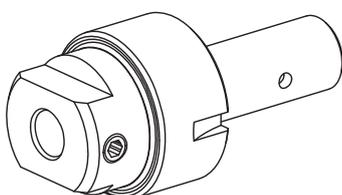
10955662 Tapping tool holder, over-running

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



10367051 Tapping tool holder, over-running

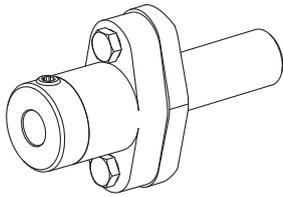
Fixation	none
Mounting	D12 (0.47 ")
Cooling	–
X / Y / Z	41 (1.61) / – / – mm (")



10691613 Tapping tool holder, extendable

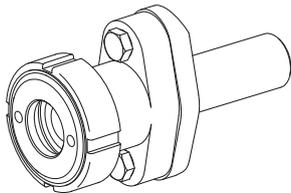
Fixation	none
Mounting	D12 (0.47 ")
Cooling	–
X / Y / Z	41 (1.61) / – / – mm (")

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



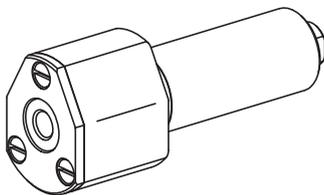
10852881 Broaching/ Slotting holder, rotating, live

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



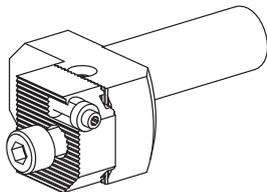
10694118 Broaching/ Slotting holder, rotating, live

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



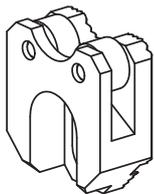
10497461 Guide holder

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



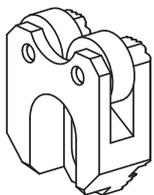
10974901 Guide holder, adjustable

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



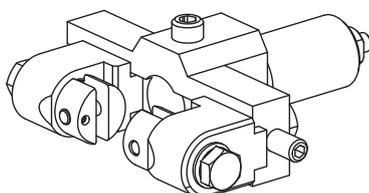
10686673 Roller holding block

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



11071318 Roller holding block

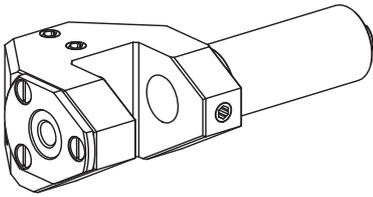
Fixation	–
Mounting	–
Cooling	–
X / Y / Z	– / – / – mm (")



10126683 Knurling tool holder, adjustable

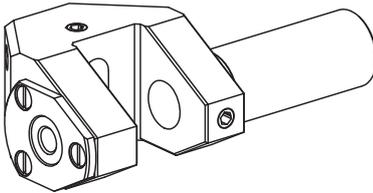
Fixation	none
Mounting	D2-24 (0.08 "-0.94 ")
Cooling	–
X / Y / Z	51 (2.01) / – / – mm (")

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



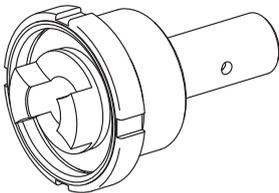
10900179 Turning and guide holder

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



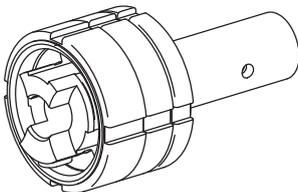
11045363 Turning and guide holder

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



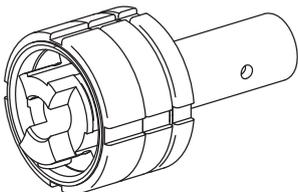
10612591 Thread cutting holder, extendable

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



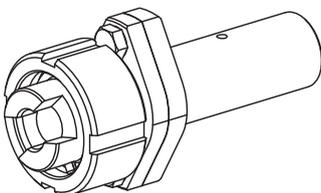
10218668 Thread cutting holder, over-running

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



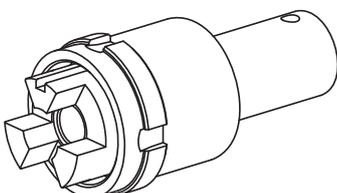
10320599 Thread cutting holder, over-running

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



10949890 Thread cutting holder, extendable

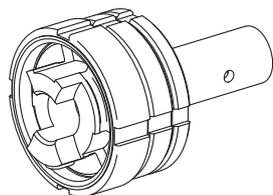
Fixation	none
Mounting	M28x1
Cooling	–
X / Y / Z	38 (1.50) / – / – mm (")



10448210 Thread cutting holder, extendable

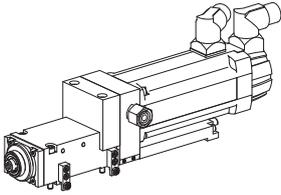
Fixation	none
Mounting	M29x1
Cooling	–
X / Y / Z	43 (1.69) / – / – mm (")

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



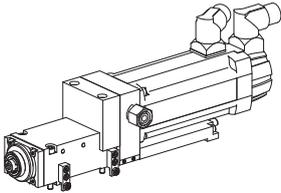
10247273 Thread cutting holder, over-running

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



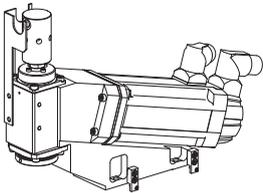
10299617 Milling unit

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



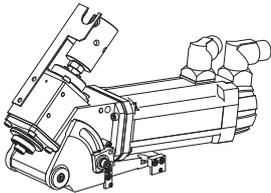
10442232 Milling unit

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



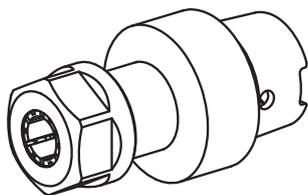
10470546 Milling unit

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



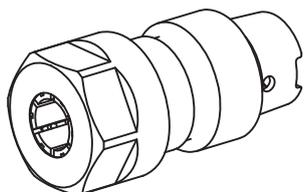
10246158 Milling unit, angle-adjustable

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



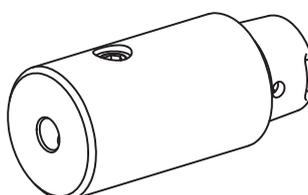
10362267 Drilling tool holder

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



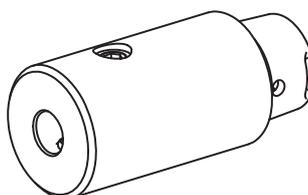
10851232 Drilling tool holder

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



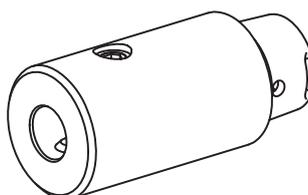
10088455 Drilling tool holder

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



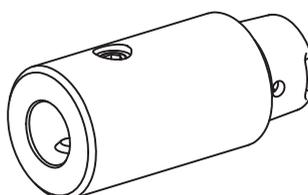
10227271 Drilling tool holder

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



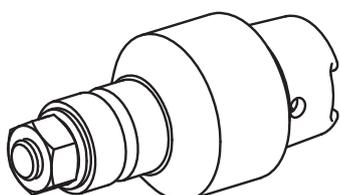
11010216 Drilling tool holder

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



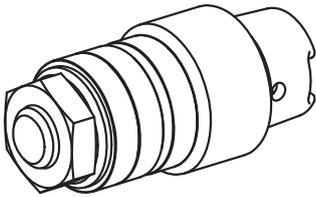
10180188 Drilling tool holder

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



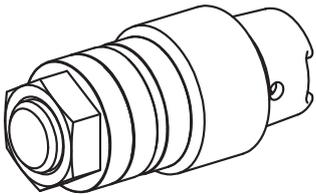
10145135 Milling cutter holder

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



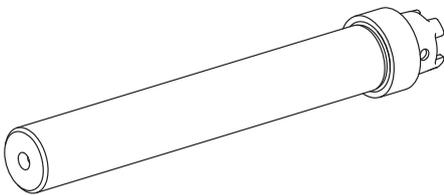
10053566 Milling cutter holder

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



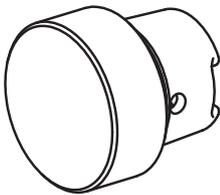
10357133 Milling cutter holder

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



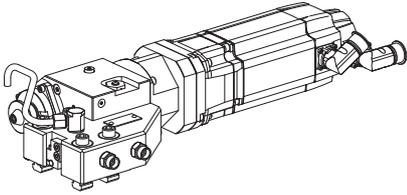
10454596 Calibrating tool

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



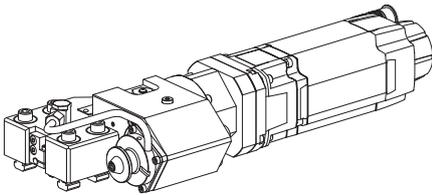
10325737 Blanking plug

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



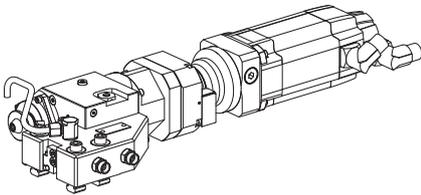
10509681 Polygon turning unit, X.1

Fixation	W serration
Mounting	Milling shaft D27 (1.06 ")
Cooling	external, p_{max} 40 bar
Speed ratio	1:1 (1)
X / Y / Z	- / - / - mm (")



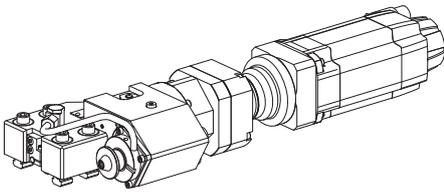
10697466 Polygon turning unit, X.2

Fixation	W serration
Mounting	Milling shaft D27 (1.06 ")
Cooling	external, p_{max} 40 bar
Speed ratio	1:1 (1)
X / Y / Z	- / - / - mm (")



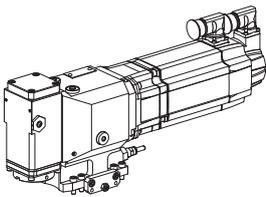
10551261 Polygon turning unit, X.1

Fixation	W serration
Mounting	Milling shaft D27 (1.06 ")
Cooling	external, p_{max} 40 bar
Speed ratio	5:1 (5)
X / Y / Z	- / - / - mm (")



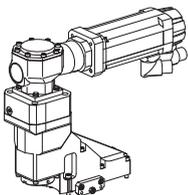
10586631 Polygon turning unit, X.2

Fixation	W serration
Mounting	Milling shaft D27 (1.06 ")
Cooling	external, p_{max} 40 bar
Speed ratio	5:1 (5)
X / Y / Z	- / - / - mm (")



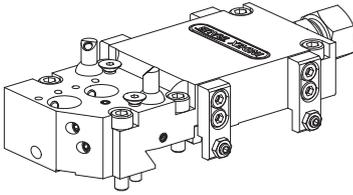
10541050 Polygon turning unit

Fixation	-
Mounting	INDEX KK-32
Cooling	-
Speed ratio	1:1 (1)
X / Y / Z	- / - / - mm (")



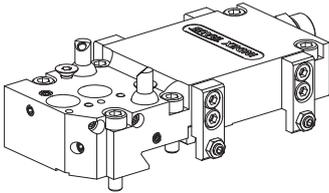
11016506 Polygon turning unit

Fixation	-
Mounting	INDEX KK-32
Cooling	-
Speed ratio	5:1 (5)
X / Y / Z	30 (1.18) / - / 28 (1.10) mm (")



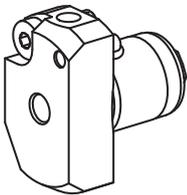
10356792 Grooving back-boring holders

Fixation –
Mounting –
Cooling external, p_{max} 80 bar
X / Y / Z – / – / – mm (")



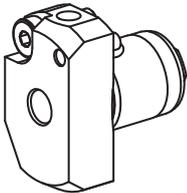
11080278 Grooving back-boring holders

Fixation –
Mounting –
Cooling external, p_{max} 80 bar
X / Y / Z – / – / – mm (")



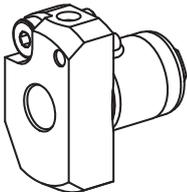
11080246 Drill holding block

Fixation Shank D15
Mounting D5 (0.20 ")
Cooling –
X / Y / Z 10 (0.39) / – / – mm (")



11080244 Drill holding block

Fixation Shank D15
Mounting D6 (0.24 ")
Cooling –
X / Y / Z 10 (0.39) / – / – mm (")



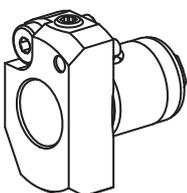
11080248 Drill holding block

Fixation Shank D15
Mounting D8 (0.31 ")
Cooling –
X / Y / Z 10 (0.39) / – / – mm (")



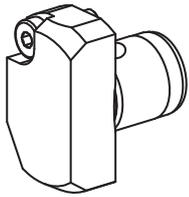
11080242 Drill holding block

Fixation Shank D15
Mounting D10 (0.39 ")
Cooling –
X / Y / Z 10 (0.39) / – / – mm (")



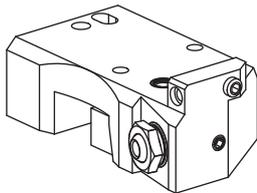
11080241 Drill holding block

Fixation Shank D15
Mounting D12 (0.47 ")
Cooling –
X / Y / Z 10 (0.39) / – / – mm (")



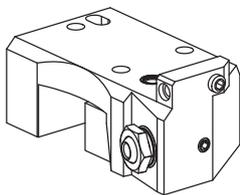
11080243 Blanking plug

Fixation Shank D15
Mounting –
Cooling –
X / Y / Z 10 (0.39) / – / – mm (")



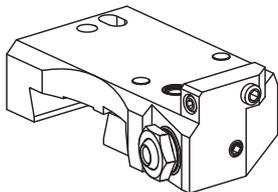
11087982 Grooving tool holding block

Fixation –
Mounting Square 12x12
Cooling external, p_{max} 80 bar
X / Y / Z 40.5 (1.59) / – / 9.5 (0.37) mm (")



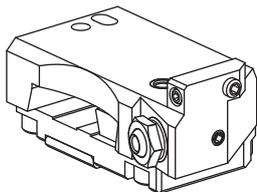
11087985 Grooving tool holding block

Fixation –
Mounting square 16x16
Cooling external, p_{max} 80 bar
X / Y / Z 40.5 (1.59) / – / 9.5 (0.37) mm (")



11086238 Grooving tool holding block

Fixation –
Mounting Trapezoid 26x8
Cooling external, p_{max} 80 bar
X / Y / Z 40.5 (1.59) / – / 9 (0.35) mm (")



11086239 Grooving tool holding block

Fixation –
Mounting Trapezoid 26x8
Cooling external, p_{max} 80 bar
X / Y / Z 40.5 (1.59) / – / 9 (0.35) mm (")



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