

Miyano

**BND 51 S/SY -  
Zweiflach**



# High-tech from heimatec - heimatec - Tools and systems for productive turning and milling

heimatec belongs to the international technology and quality leaders for precision tools and specializes in the development and production of high-precision static and live tools for all CNC lathes, CNC turn-/mill machines and CNC machining centers.

The range of products\* spans from static BMT and VDI tool holders, live tools up to highly complex customer-specific individual solutions. heimatec, headquartered in Renchen, has a own subsidiary in Asia and India and numerous representatives as well as trading partners all over the world.

## \*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems

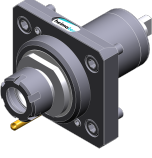


Tool systems for gear production


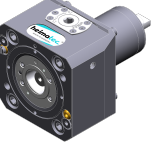
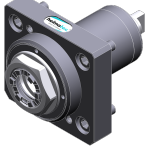
Digital tool management


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Part-#	Name	
<b>8 010 45 047</b>	<b>Axial drilling and milling head ER 25 M</b>	
	Weight [kg]:	1.740
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Tool adaption:	ER 25 M
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 45 050</b>	<b>Axial drilling and milling head ER 25 M IC</b>	
	Weight [kg]:	2.000
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 010 45 061</b>	<b>Axial drilling and milling head ER 25</b>	
	Weight [kg]:	1.780
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 45 096</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	2.000
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing


Part-#	Name	
<b>8 010 45 103</b>	<b>Axial milling and drill holder ER 25 AX UT</b>	
	Weight [kg]:	1.870
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 45 181</b>	<b>Axial drilling and milling head C 3 IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	heimatec Capto(TM) C 3
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Check applicability; tool length check !
<b>8 010 45 183</b>	<b>Axial drilling and milling head C 3</b>	
	Weight [kg]:	3.800
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	heimatec Capto(TM) C 3
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Check applicability; tool length check !
<b>8 010 45 224</b>	<b>Axial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	1.900
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	15000
	Rotating direction:	same
	Coolant:	EXT

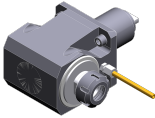
Part-#	Name		
	<b>8 010 45 225</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
		Weight [kg]:	2.100
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	45.00
		Shank type:	BMT
		Tool adaption:	ER 25 A - u-tec
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	12000
		Rotating direction:	same
		Coolant:	IC/Ext
		Pressure max [bar]:	100
		Please note:	Dryrun possible
	<b>8 010 46 092</b>	<b>Axial drilling and milling head HT 4</b>	
		Weight [kg]:	1.700
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	45.00
		Shank type:	BMT
		Tool adaption:	HT 4
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	6000
		Rotating direction:	same
	Coolant:	EXT	
<b>8 010 46 112</b>	<b>Axial drilling and milling head HT 4 IC</b>		
		Weight [kg]:	1.980
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	45.00
		Shank type:	BMT
		Tool adaption:	HT 4
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	6000
		Rotating direction:	same
	Coolant:	IC/Ext	
	Pressure max [bar]:	25	
<b>8 010 46 206</b>	<b>Axial drilling and milling head ER 32 AX UT</b>		
		Weight [kg]:	2.110
		Version:	Special
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	45.00
		Shank type:	BMT
		Tool adaption:	ER 32 A - u-tec
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	6000
		Rotating direction:	same
	Coolant:	EXT	
	Please note:	stronger bearing	



Part-#	Name	
<b>8 011 44 010</b>	<b>Axial milling head universal arbor 16</b>	
		Weight [kg]: 1.820 Tool drive: Flat (~DIN 1809) Shank size [mm]: 45.00 Shank type: BMT Tool adaption: Universal arbor 16 Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 6000 Rotating direction: same Coolant: EXT Please note: Taper roller bearings
<b>8 011 44 021</b>	<b>Axial milling head universal arbor 3/4"</b>	
		Weight [kg]: 1.840 Tool drive: Flat (~DIN 1809) Shank size [mm]: 45.00 Shank type: BMT Tool adaption: Universal arbor 3/4" (19,05mm) Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 6000 Rotating direction: same Coolant: EXT Please note: Taper roller bearings
<b>8 011 45 018</b>	<b>Axial milling head universal arbor 22</b>	
		Weight [kg]: 1.940 Tool drive: Flat (~DIN 1809) Shank size [mm]: 45.00 Shank type: BMT Tool adaption: Universal arbor 22 Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 6000 Rotating direction: same Coolant: EXT Please note: Taper roller bearings
<b>8 013 44 022</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]: 2.350 Tool drive: Flat (~DIN 1809) Shank size [mm]: 45.00 Shank type: BMT Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:4 Torque max [Nm]: 5 Rotation max [1/min]: 24000 Rotating direction: same Coolant: EXT	

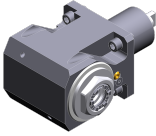

Part-#	Name	
<b>8 013 44 023</b>	<b>Axial drilling and milling head ER 16 AX UT IC</b>	
	Weight [kg]:	2.450
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Dryrun possible
<b>8 019 44 012</b>	<b>Axial drilling and milling head ER 20</b>	
	Weight [kg]:	4.020
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 019 44 019</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	4.260
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	10000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
<b>8 019 44 020</b>	<b>Axial drilling and milling head ER 16 M</b>	
	Weight [kg]:	3.960
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:3
	Torque max [Nm]:	10
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	34,5

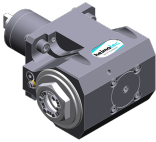

Part-#	Name	
<b>8 019 44 060</b>	<b>Axial drilling and milling head ER 20</b>	
	Weight [kg]:	4.000
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20
	Gear ratio [i]:	1:3
	Torque max [Nm]:	10
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	34,5
<b>8 019 44 073</b>	<b>Axial drilling and milling head ER 20 AX UT IC</b>	
	Weight [kg]:	4.910
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	34,5
<b>8 019 44 078</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	3.890
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	10
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	34,5
<b>8 019 44 114</b>	<b>Axial drilling and milling head ER 20 AX UT</b>	
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	34,5

Part-#	Name	
<b>8 019 45 093</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	5.860
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	69
<b>8 019 45 102</b>	<b>Axial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.400
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	69
<b>8 030 44 082</b>	<b>Radial drilling and milling head ER 16 AX UT</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 030 44 099</b>	<b>Radial drilling and milling head ER 16 AX UT IC</b>	
	Weight [kg]:	4.900
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	65


Part-#	Name	
<b>8 030 44 109</b>	<b>Radial drilling and milling head ER 20 AX UT IC</b>	
	Weight [kg]:	5.950
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	77
<b>8 030 45 096</b>	<b>Radial drilling and milling head ER 25</b>	
	Weight [kg]:	5.190
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 030 45 101</b>	<b>Radial drilling and milling head ER 25 IC</b>	
	Weight [kg]:	5.450
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	65
<b>8 030 45 120</b>	<b>Radial drilling and milling head ER 25</b>	
	Weight [kg]:	5.400
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65


Part-#	Name	
<b>8 030 45 121</b>	<b>Radial drilling and milling head ER 25 IC</b>	
	Weight [kg]:	5.570
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	strong version
	Center distance [mm]:	65
<b>8 030 45 136</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	5.370
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	65
<b>8 030 45 163</b>	<b>Angle-mill- and drill holder ER 25 AX UT</b>	
	Weight [kg]:	5.700
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 030 45 167</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.790
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	12
	Rotation max [1/min]:	18000
	Rotating direction:	same
	Coolant:	EXT

Part-#	Name	
	Please note:	stronger bearing
	Center distance [mm]:	77
<b>8 030 45 169</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.340
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 030 45 198</b>	<b>Angle-mill- and drill holder ER 25 AX UT IC</b>	
	Weight [kg]:	5.800
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 030 45 211</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.770
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	77
<b>8 030 45 239</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	5.990
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	12

Part-#	Name	
	Rotation max [1/min]:	18000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	77
<b>8 030 45 253</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.480
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 030 45 346</b>	<b>Radial drilling and milling head C 3 IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	heimatec Capto(TM) C 3
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	65
<b>8 030 45 351</b>	<b>Radial drilling and milling head C 3</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	heimatec Capto(TM) C 3
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	65



Part-#	Name	
<b>8 030 45 563</b>	<b>Radial drilling and milling head Weldon 16</b>	
	Weight [kg]:	5.850
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 030 45 599</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	5.980
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	77
<b>8 030 46 196</b>	<b>Radial drilling and milling head HT 4</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	strong version
	Center distance [mm]:	65
<b>8 030 46 197</b>	<b>Radial drilling and milling head HT 4 IC</b>	
	Weight [kg]:	5.640
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140

Part-#	Name	
	Center distance [mm]:	65
<b>8 030 46 356</b>	<b>Angle-mill- and drill holder ER 32 AX UT IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 030 46 563</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	5.480
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	65
<b>8 030 46 564</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	5.120
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 030 47 122</b>	<b>Radial drilling and milling head Weldon 25 IC</b>	
	Weight [kg]:	6.580
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 25
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	opposite

Part-#	Name	
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 031 45 026</b>	<b>Radial milling head universal arbor 22</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 031 45 054</b>	<b>Radial milling head universal arbor 1"</b>	
	Weight [kg]:	6.040
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 1" (25,4mm)
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 031 46 004</b>	<b>Radial milling head universal arbor 27</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 27
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 033 45 061</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.500
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	3:1
	Torque max [Nm]:	32


Part-#	Name	
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing; check applicability!
	Center distance [mm]:	65
<b>8 037 42 002</b>	<b>Radial disk mill head arbor 10</b>	
	Weight [kg]:	4.600
	Notation:	180° reversible
	Version:	± 30° turnable
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Arbor 10
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	78
<b>8 037 43 004</b>	<b>Radial disk mill head arbor 13</b>	
	Weight [kg]:	4.630
	Notation:	180° reversible
	Version:	± 30° turnable
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Arbor 13
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	78
<b>8 039 45 076</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	5.900
	Notation:	180° reversible
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Center distance [mm]:	65





Part-#	Name	
<b>8 039 45 106</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	6.250
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	50/86
<b>8 039 46 031</b>	<b>Radial drilling and milling head HT 4</b>	
	Weight [kg]:	6.400
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 040 44 019</b>	<b>Universal head ± 90° adjustable ER 16</b>	
	Weight [kg]:	2.460
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Note swivel range!
	Center distance [mm]:	55
<b>8 040 44 021</b>	<b>Universal head ± 90° adjustable ER 16</b>	
	Weight [kg]:	2.700
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT

Part-#	Name	
	Please note:	position can be pinned; note swivel range!
	Center distance [mm]:	55
<b>8 040 44 023</b>	<b>Universal head ± 90° adjustable ER 20</b>	
	Weight [kg]:	2.800
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Note swivel range!
	Center distance [mm]:	55
<b>8 040 44 104</b>	<b>Universal head ± 90° adjustable ER 16</b>	
	Notation:	180° reversible
	Version:	45° position can be pinned
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	55
<b>8 043 44 004</b>	<b>Universal head +105°/-20° adj. ER16AX UTIK</b>	
	Weight [kg]:	5.450
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	180° reversible
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 44 005</b>	<b>Universal head +105°/-20° adj. ER16 AX UT</b>	
	Weight [kg]:	5.360
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25

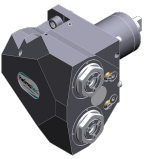


Part-#	Name	
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 44 006</b>	<b>Universal head +105°/-20° adj. ER16AX UTIK</b>	
	Weight [kg]:	5.470
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	180° reversible
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 44 007</b>	<b>Universal head +105°/-20° adj. ER16 AX UT</b>	
	Weight [kg]:	5.410
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	180° reversible
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 44 042</b>	<b>Universal head +105°/-20° adj. ER16AX UTIK</b>	
	Weight [kg]:	5.470
	Notation:	offset
	Version:	at 71,5° position can be pinned
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	180° reversible
	Center distance [mm]:	50




Part-#	Name	
<b>8 043 45 000</b>	<b>Universal head +105°/-20° adj. ER25 AX UT</b>	
	Weight [kg]:	5.580
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	50
<b>8 043 45 004</b>	<b>Universal head +105°/-20° adj. ER25AX UTIK</b>	
	Weight [kg]:	5.660
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 45 005</b>	<b>Universal head +105°/-20° adj. ER25AX UTIK</b>	
	Weight [kg]:	5.610
	Notation:	offset; 180° reversible
	Version:	at 42,9° position can be pinned
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 45 015</b>	<b>Universal head +105°/-20° adj. Weldon 16</b>	
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16 special
	Gear ratio [i]:	1:1




Part-#	Name	
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 043 45 017</b>	<b>Universal head +105°/-20° adj. ER25 AX UT</b>	
	Weight [kg]:	5.590
	Notation:	offset; 180° reversible; at 45° position can be pinned
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	50
<b>8 043 46 002</b>	<b>Universal head +105°/-20° adj. Weldon 20</b>	
	Weight [kg]:	5.790
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	50
	Offset [mm]:	35
<b>8 050 43 009</b>	<b>Multispindle drilling head ER 11</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 11
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10/Sp.
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 050 44 005</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	3.700
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1



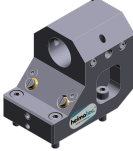

Part-#	Name	
	Torque max [Nm]:	25/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 050 44 045</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	5.840
	Notation:	offset, 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	64,359
<b>8 053 44 032</b>	<b>Multispindle radial head ER 16 AX UT</b>	
	Weight [kg]:	6.120
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 053 44 062</b>	<b>Multispindle radial head ER16 AX UT IC</b>	
	Weight [kg]:	6.580
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	65


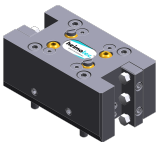
Part-#	Name	
8 053 44 063	<b>Multispindle radial head ER16 AX UT IC</b>	
		<p>Notation: 180° reversible  Version: 2-spindles  Tool drive: Flat (~DIN 1809)  Shank size [mm]: 45.00  Shank type: BMT  Tool adaption: ER 16 A - u-tec  Gear ratio [i]: 1:2  Torque max [Nm]: 16/Sp  Rotation max [1/min]: 12000  Rotating direction: same  Coolant: IC/Ext  Pressure max [bar]: 140  Center distance [mm]: 65</p>
8 053 44 065	<b>Multispindle radial head ER 16 AX UT</b>	
		<p>Weight [kg]: 6.400  Notation: 180° reversible  Version: 2-spindles  Tool drive: Flat (~DIN 1809)  Shank size [mm]: 45.00  Shank type: BMT  Tool adaption: ER 16 A - u-tec  Gear ratio [i]: 1:2  Torque max [Nm]: 16/Sp  Rotation max [1/min]: 12000  Rotating direction: same  Coolant: EXT  Center distance [mm]: 65</p>
8 053 44 066	<b>Multispindle radial head ER 16 AX UT</b>	
		<p>Notation: 180° reversible  Version: 2-spindles  Tool drive: Flat (~DIN 1809)  Shank size [mm]: 45.00  Shank type: BMT  Tool adaption: ER 16 A - u-tec  Gear ratio [i]: 1:1  Torque max [Nm]: 32/Sp  Rotation max [1/min]: 12000  Rotating direction: same  Coolant: EXT  Center distance [mm]: 65</p>
8 053 44 067	<b>Multispindle radial head ER 20 AX UT</b>	
		<p>Notation: 180° reversible  Version: 2-spindles  Tool drive: Flat (~DIN 1809)  Shank size [mm]: 45.00  Shank type: BMT  Tool adaption: ER 20 A - u-tec  Gear ratio [i]: 1:1  Torque max [Nm]: 32/Sp  Rotation max [1/min]: 12000  Rotating direction: same  Coolant: EXT  Please note: Check applicability; note tool length!</p>

Part-#	Name	
	Center distance [mm]:	75
<b>8 053 44 074</b>	<b>Multispindle radial head ER 20 AX UTIK</b>	
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	45.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	75
<b>8 200 02 001</b>	<b>Cover plate</b>	
	Weight [kg]:	0.320
	Shank type:	-
<b>8 202 00 010</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	0.920
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Interface FN 12
	Coolant:	EXT
<b>8 224 01 020</b>	<b>Cut-off holder sq. 20</b>	
	Weight [kg]:	2.020
	Employment for:	right cutting tools
	Version:	Special; edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 20
	Coolant:	EXT
<b>8 224 03 016</b>	<b>Universal turning holder sq. 3/4" IC</b>	
	Weight [kg]:	2.630
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail


Part-#	Name	
<b>8 224 04 000</b>	<b>Universal turning holder sq. 20</b>	
	Weight [kg]:	2.640
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	EXT
<b>8 224 04 035</b>	<b>Universal turning holder sq. 20 IC</b>	
	Weight [kg]:	2.620
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 20
	Coolant:	IC
<b>8 224 04 068</b>	<b>Universal turning holder sq. 20 IC</b>	
	Weight [kg]:	2.610
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 229 05 004</b>	<b>Tool holder C 3 IC</b>	
	Weight [kg]:	2.980
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	65
<b>8 229 05 005</b>	<b>Tool holder C 3 IC</b>	
	Weight [kg]:	1.590
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	27

Part-#	Name	
<b>8 240 05 034</b>	<b>Boring bar holder Ø 16</b>	
	Weight [kg]:	4.360
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Ø 16
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 240 05 059</b>	<b>Tool holder C 3 IC</b>	
	Weight [kg]:	4.130
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	80
<b>8 240 05 060</b>	<b>Tool holder C 3 IC</b>	
	Weight [kg]:	3.190
	Notation:	180° reversible
	Version:	offset; right
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	80
<b>8 240 06 034</b>	<b>Boring bar holder Ø 20</b>	
	Weight [kg]:	4.280
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Ø 20
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 240 07 038</b>	<b>Boring bar holder Ø 25</b>	
	Weight [kg]:	4.160
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 240 07 050</b>	<b>Boring bar holder Ø 1 1/4 "</b>	
	Weight [kg]:	3.790
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Center distance [mm]:	75



Part-#	Name	
8 240 08 000	<b>Boring bar holder Ø 32</b>	
		Weight [kg]: 3.740 Notation: offset Shank type: BMT Machine adaption: Centering bolt ø 12 Tool adaption: Ø 32 Coolant: IC/Ext Center distance [mm]: 75
8 240 08 046	<b>Boring bar holder Ø 32</b>	
		Weight [kg]: 3.940 Notation: 180° reversible Shank type: BMT Machine adaption: Centering bolt ø 12 Tool adaption: Ø 32 Coolant: IC/Ext Center distance [mm]: 75
8 240 08 074	<b>Boring bar holder Ø 1 1/2"</b>	
		Weight [kg]: 4.000 Shank type: BMT Machine adaption: Centering bolt ø 12 Tool adaption: Ø 1 1/2" (38,1mm) Coolant: IC/Ext Center distance [mm]: 75
8 240 09 002	<b>Boring bar holder Ø 40</b>	
		Weight [kg]: 2.660 Version: offset Shank type: BMT Machine adaption: Centering bolt Ø 12 Tool adaption: Ø 40 Coolant: IC/Ext Center distance [mm]: 75
8 240 09 013	<b>Boring bar holder Ø 40</b>	
		Weight [kg]: 3.950 Shank type: BMT Machine adaption: Centering bolt Ø 12 Tool adaption: Ø 40 Coolant: IC/Ext Center distance [mm]: 75
8 244 04 019	<b>Combi facing holder sq. 20</b>	
		Weight [kg]: 3.700 Shank type: BMT Machine adaption: Centering bolt ø 12 Tool adaption: Sq. 20 Coolant: EXT
8 249 05 008	<b>Double tool holder C 3 IC</b>	
		Weight [kg]: 4.860 Employment for: Main- and sub spindle Version: right Shank type: BMT Machine adaption: Centering bolt ø 12 Tool adaption: heimatec Capto(TM) C 3

Part-#	Name	
		heimatec Capto(TM) C 3 IC Check applicability; note tool length! 80
<b>8 250 05 002</b>	<b>Multiple tool holder C 3 IC</b>	
	Coolant:	
	Please note:	
	Center distance [mm]:	
	Weight [kg]:	2.140
	Employment for:	Main- and sub spindle
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	27 27
<b>8 250 05 003</b>	<b>Multiple tool holder C 3 IC</b>	
	Weight [kg]:	3.730
	Employment for:	Main- and sub spindle
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	65 65
<b>8 251 03 002</b>	<b>Combi double turning holder sq. 3/4"IC</b>	
	Weight [kg]:	4.360
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 3/4" (19,05mm) Sq. 3/4" (19,05mm) Sq. 3/4" (19,05mm) Sq. 3/4" (19,05mm)
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 251 04 002</b>	<b>Combi double turning holder sq. 20</b>	
	Weight [kg]:	4.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	Sq. 20 Sq. 20 Sq. 20 Sq. 20
	Coolant:	EXT

Part-#	Name	
<b>8 251 04 003</b>	<b>Combi double turning holder sq. 3/4"</b>	
	Weight [kg]:	4.410
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt $\varnothing$ 12
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	EXT
<b>8 251 04 059</b>	<b>Combi double turning holder sq. 20 IC</b>	
	Weight [kg]:	4.360
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt $\varnothing$ 12
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 253 07 000</b>	<b>Double boring bar holder <math>\varnothing</math> 25</b>	
	Weight [kg]:	2.320
	Notation:	offset, 180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt $\varnothing$ 12
	Tool adaption:	$\varnothing$ 25
		$\varnothing$ 25
	Coolant:	IC/Ext
	Center distance [mm]:	50/85
<b>8 253 07 003</b>	<b>Multiple boring bar holder <math>\varnothing</math> 1"</b>	
	Weight [kg]:	2.530
	Notation:	offset, 180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt $\varnothing$ 12
	Tool adaption:	$\varnothing$ 1" (25,4mm)
		$\varnothing$ 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	50/85
<b>8 253 07 004</b>	<b>Double boring bar holder <math>\varnothing</math> 1"</b>	
	Weight [kg]:	3.740
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering bolt $\varnothing$ 12
	Tool adaption:	$\varnothing$ 1" (25,4mm)
		$\varnothing$ 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	50/85

Part-#	Name	
8 253 07 006	<b>Double boring bar holder Ø 25</b>	Weight [kg]: 3.710
		Notation: 180° reversible
		Shank type: BMT
		Machine adaption: Centering bolt Ø 12
		Tool adaption: Ø 25
		Coolant: IC/Ext
		Center distance [mm]: 50/85
8 259 01 006	<b>Multiple turning holder 4x sq. 20</b>	Weight [kg]: 4.700
		Employment for: Main- and sub spindle
		Version: Y-axes offset
		Shank type: BMT
		Machine adaption: Centering bolt ø 12
		Tool adaption: Sq. 20
		Coolant: EXT
8 259 05 001	<b>Multiple tool holder C 3 IC</b>	Weight [kg]: 5.590
		Employment for: Main- and sub spindle
		Version: right; Y-axes offset
		Shank type: BMT
		Machine adaption: Centering bolt ø 12
		Tool adaption: heimatec Capto(TM) C 3
		Coolant: IC
Please note: Check applicability; note tool length! not		
Offset [mm]: 65		
8 259 05 002	<b>Multiple tool holder C 3 IC</b>	Weight [kg]: 6.330
		Employment for: Main- and sub spindle
		Version: right; Y-axes offset
		Shank type: BMT
		Machine adaption: Centering bolt ø 12
		Tool adaption: heimatec Capto(TM) C 3
		Coolant: IC
Please note: Check applicability; note tool length!		
Center distance [mm]: 80		

Part-#	Name	
<b>8 259 05 003</b>	<b>Multiple tool holder C 3 IC</b>	
	Notation:	180° reversible
	Version:	right; Y-axes offset
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	80
	Offset [mm]:	+32 -32
<b>8 259 05 004</b>	<b>Multiple tool holder C 3 IC</b>	
	Weight [kg]:	4.390
	Notation:	180° reversible
	Version:	right; offset; Y-axes offset
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	80
<b>8 259 05 005</b>	<b>Multiple tool holder C 3 IC</b>	
	Weight [kg]:	4.210
	Employment for:	Main- and sub spindle
	Version:	right; Y-axes offset
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3 heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!; not
	Offset [mm]:	27 27
<b>8 259 05 006</b>	<b>Multiple tool holder C 3 IC</b>	
	Weight [kg]:	2.840
	Notation:	180° reversible
	Version:	right; Y-axes offset
	Shank type:	BMT
	Machine adaption:	Centering bolt ø 12
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	27

Part-#	Name	
8 259 05 007	<b>Multiple tool holder C 3 IC</b>	
		<p>Weight [kg]: 4.000</p> <p>Notation: 180° reversible</p> <p>Version: right; Y-axes offset</p> <p>Shank type: BMT</p> <p>Machine adaption: Centering bolt ø 12</p> <p>Tool adaption: heimatec Capto(TM) C 3</p> <p>Coolant: IC</p> <p>Pressure max [bar]: 100</p> <p>Please note: Check applicability; note tool length!</p> <p>Offset [mm]: 65</p>
8 259 09 001	<b>Multiple holder ø25 and sq. 20</b>	<p>Weight [kg]: 3.980</p> <p>Notation: 180° reversible</p> <p>Shank type: BMT</p> <p>Machine adaption: Centering bolt ø 12</p> <p>Tool adaption: ø25/ sq. 20</p> <p>Coolant: IC/Ext</p> <p>Center distance [mm]: 50/85</p>
8 261 08 000	<b>Tool holder for centering insert</b>	<p>Weight [kg]: 5.270</p> <p>Notation: 180° reversible</p> <p>Shank type: BMT</p> <p>Machine adaption: Centering bolt Ø 12</p> <p>Tool adaption: Ø 32</p> <p>Coolant: EXT</p> <p>Please note: Price without centering point</p> <p>Center distance [mm]: 55</p>
8 320 02 017	<b>Cut-off holder, height adjustable SH 26 IC</b>	<p>Notation: 180° reversible</p> <p>Shank type: BMT</p> <p>Machine adaption: Centering bolt ø 12</p> <p>Tool adaption: Clampshaft SH 26</p> <p>Coolant: IC/Ext</p> <p>Pressure max [bar]: 70</p>
8 320 02 018	<b>Cut-off holder, height adjustable SH 26 IC</b>	<p>Notation: 180° reversible</p> <p>Shank type: BMT</p> <p>Machine adaption: Centering bolt ø 12</p> <p>Tool adaption: Clampshaft SH 26</p> <p>Coolant: IC/Ext</p> <p>Pressure max [bar]: 70</p> <p>Please note: Clampshaft internal</p>
8 320 09 003	<b>Cut-off holder, height adjustable 845 IC</b>	<p>Weight [kg]: 1.390</p> <p>Notation: 180° reversible</p> <p>Shank type: BMT</p> <p>Machine adaption: Centering bolt ø 12</p> <p>Tool adaption:  System 845</p> <p>Coolant: IC</p>

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Part-#	Name
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	Pressure max [bar]: 70
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