

Mazak  
**MP 8200 -  
oberer Revolver**



# 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 46 032</b>	<b>Axial drilling and milling head ER 32</b>	
	Weight [kg]:	3.980
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 46 045</b>	<b>Axial drilling and milling head ER 32 IC</b>	
	Weight [kg]:	4.000
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	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 46 249</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	4.010
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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
<b>8 010 46 289</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	4.050
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	IC/Ext
	Pressure max [bar]:	25
<b>8 011 44 008</b>	<b>Axial milling head universal arbor 16</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50

Part-#	Name	
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 011 45 007</b>	<b>Axial milling head universal arbor 22</b>	
	Weight [kg]:	3.940
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	stronger bearing
<b>8 018 45 001</b>	<b>Axial drilling and milling head ER 25</b>	
	Weight [kg]:	6.500
	Notation:	Y-axes adjustable
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 019 42 003</b>	<b>Axial drilling and milling head Weldon 6 IC</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 6
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50
<b>8 019 43 002</b>	<b>Axial drilling and milling head Weldon 8 IC</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 8
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50

Part-#	Name	
<b>8 019 44 003</b>	<b>Axial milling head universal arbor 16</b>	
	Weight [kg]:	7.500
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 44 008</b>	<b>Axial drilling and milling head Weldon 10</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 10
	Gear ratio [i]:	1:1,667
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	50
<b>8 019 44 011</b>	<b>Axial drilling and milling head Weldon 10 IC</b>	
	Weight [kg]:	6.240
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 10
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50
<b>8 019 45 030</b>	<b>Axial drilling and milling head ER 25</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	40
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	50

Part-#	Name	
<b>8 019 45 038</b>	<b>Axial milling head universal arbor 22</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	50
<b>8 019 45 042</b>	<b>Axial milling head universal arbor 22</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 45 054</b>	<b>Axial drilling and milling head Weldon 16 IC</b>	
	Weight [kg]:	6.720
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 45 059</b>	<b>Axial drilling and milling head Weldon 16</b>	
	Weight [kg]:	6.700
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	stronger bearing
	Offset [mm]:	50

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Part-#	Name	
<b>8 019 45 062</b>	<b>Axial drilling and milling head ER 25</b>	
	Weight [kg]:	6.220
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	50
<b>8 019 45 064</b>	<b>Axial milling head universal arbor 22 IC</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 45 068</b>	<b>Axial drilling and milling head ER 25</b>	
	Weight [kg]:	6.660
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:3
	Torque max [Nm]:	10
	Rotation max [1/min]:	18000
	Rotating direction:	opposite
	Coolant:	EXT
	Offset [mm]:	50
<b>8 019 45 072</b>	<b>Axial drilling and milling head ER 25 IC</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50

Part-#	Name	
<b>8 019 45 074</b>	<b>Axial drilling and milling head ER 25 IC</b>	
	Weight [kg]:	8.760
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:3
	Torque max [Nm]:	16
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50
<b>8 019 45 141</b>	<b>Axial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	6.860
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	stronger bearing
	Offset [mm]:	50
<b>8 019 45 188</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	6.900
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 011</b>	<b>Axial drilling and milling head ER 32 IC</b>	
	Weight [kg]:	7.160
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext

Part-#	Name	
	Pressure max [bar]:	140
	Offset [mm]:	50
<b>8 019 46 025</b>	<b>Axial drilling and milling head Weldon 20 IC</b>	
	Weight [kg]:	6.740
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 035</b>	<b>Axial drilling and milling head ER 32 IC</b>	
	Weight [kg]:	8.700
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:2
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50
<b>8 019 46 050</b>	<b>Axial drilling and milling head ER 32</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 105</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	6.850
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 117</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	6.820
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	40
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 118</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	6.820
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 121</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	6.830
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	40
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50

Part-#	Name	
<b>8 019 46 122</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 46 210</b>	<b>Axial drilling and milling head ER 32</b>	
	Weight [kg]:	7.100
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4500
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing; with G - seal ring
	Offset [mm]:	50
<b>8 019 47 004</b>	<b>Axial drilling and milling head HT 5 IC</b>	
	Weight [kg]:	7.070
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	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:	stronger bearing
	Offset [mm]:	50
<b>8 019 47 007</b>	<b>Axial drilling and milling head HT 5</b>	
	Weight [kg]:	7.040
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:2
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing

Part-#	Name	
	Offset [mm]:	50
<b>8 019 47 008</b>	<b>Axial drilling and milling head HT 5 IC</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:2
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 47 010</b>	<b>Axial drilling and milling head HT 5</b>	
	Weight [kg]:	7.000
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 030 43 004</b>	<b>Radial drilling and milling head Weldon 8 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 8
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	130
<b>8 030 44 025</b>	<b>Radial drilling and milling head Weldon 12 IC</b>	
	Weight [kg]:	9.140
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 12
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	130

Part-#	Name	
<b>8 030 44 035</b>	<b>Radial drilling and milling head Weldon 14 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 14
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	130
<b>8 030 45 036</b>	<b>Radial drilling and milling head Weldon 16</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	stronger bearing
	Center distance [mm]:	130
<b>8 030 45 050</b>	<b>Radial drilling and milling head ER 25</b>	
	Employment for:	Main spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 030 45 111</b>	<b>Radial drilling and milling head ER 25 IC</b>	
	Weight [kg]:	9.050
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	130

Part-#	Name	
<b>8 030 45 115</b>	<b>Radial drilling and milling head ER 25</b>	
	Weight [kg]:	8.470
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 030 46 043</b>	<b>Radial drilling and milling head ER 32</b>	
	Weight [kg]:	8.540
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 030 46 065</b>	<b>Radial drilling and milling head ER 32</b>	
	Weight [kg]:	8.540
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 030 46 156</b>	<b>Radial drilling and milling head ER 32</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	130

Part-#	Name	
<b>8 030 46 191</b>	<b>Radial drilling and milling head Weldon 20</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	with stronger bearing
	Center distance [mm]:	130
<b>8 030 46 192</b>	<b>Radial drilling and milling head Weldon 20 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Center distance [mm]:	130
<b>8 030 46 288</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	130
<b>8 030 46 292</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	8.860
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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
	Center distance [mm]:	130

Part-#	Name	
<b>8 030 46 329</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	8.360
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	EXT
	Center distance [mm]:	130
<b>8 030 46 346</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	8.330
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 030 46 353</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	130
<b>8 030 46 355</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	9.430
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	130

Part-#	Name	
<b>8 030 46 424</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	EXT
	Center distance [mm]:	130
<b>8 030 46 501</b>	<b>Radial drilling and milling head ER 32</b>	
	Weight [kg]:	8.510
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4500
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	with G-seal ring
	Center distance [mm]:	130
<b>8 030 46 502</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	8.320
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4500
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	with G-seal ring
	Center distance [mm]:	130
<b>8 030 47 012</b>	<b>Radial drilling and milling head HT 5</b>	
	Weight [kg]:	8.500
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130

Part-#	Name	
<b>8 030 47 013</b>	<b>Radial drilling and milling head HT 5 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	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:	stronger bearing
	Center distance [mm]:	130
<b>8 030 47 021</b>	<b>Radial drilling and milling head HT 5</b>	
	Weight [kg]:	9.300
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 030 47 063</b>	<b>Radial drilling and milling head HT 5 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	130
<b>8 030 47 064</b>	<b>Radial drilling and milling head ER 40 IC</b>	
	Weight [kg]:	9.510
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 40
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	130

Part-#	Name	
<b>8 031 44 019</b>	<b>Radial milling head universal arbor 16</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 031 45 008</b>	<b>Radial milling head universal arbor 22</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 031 45 012</b>	<b>Radial milling head universal arbor 22</b>	
	Weight [kg]:	8.280
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	130
<b>8 031 45 015</b>	<b>Radial milling head universal arbor 22</b>	
	Weight [kg]:	9.760
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	3:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	2000
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 037 45 002</b>	<b>Woodruff keycutter ER 25 AX</b>	
	Weight [kg]:	9.240
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A
	Gear ratio [i]:	1,333:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 039 45 025</b>	<b>Radial drilling and milling head ER 25 IC</b>	
	Notation:	48,8° angle
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 039 46 006</b>	<b>Radial drilling and milling head Weldon 20</b>	
	Notation:	Y-axes offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	0:0
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	150
<b>8 039 46 008</b>	<b>Radial drilling and milling head Weldon 20</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	0:0
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	150
<b>8 039 47 003</b>	<b>Radial drilling and milling head HT 5</b>	
	Weight [kg]:	7.850
	Notation:	8° angle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Taper roller bearings

Part-#	Name
<b>8 040 44 046</b>	<b>Universal head ± 90° adjustable ER 16 AX UT</b>
	Weight [kg]: 5.270
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 40.00
	Shank type: VDI
	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
	Center distance [mm]: 87
<b>8 040 44 051</b>	<b>Universal head ± 90° adjustable ER 16 AX UT IC</b>
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 40.00
	Shank type: VDI
	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
	Pressure max [bar]: 140
	Please note: Note swivel range!
	Center distance [mm]: 87
<b>8 040 45 036</b>	<b>Universal head ± 90° adjustable ER 25 IC</b>
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 40.00
	Shank type: VDI
	Tool adaption: ER 25
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: IC
	Please note: Note swivel range
	Center distance [mm]: 81
<b>8 040 45 059</b>	<b>Universal head ± 90° adjustable ER 25 AX UT</b>
	Weight [kg]: 5.450
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 40.00
	Shank type: VDI
	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]: 87

Part-#	Name	
<b>8 040 45 060</b>	<b>Universal head ± 90° adjustable ER 25 AX UT</b>	
	Weight [kg]:	6.540
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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]:	120
<b>8 040 45 068</b>	<b>Universal head ± 90° adjustable ER 25 AX UT IC</b>	
	Weight [kg]:	5.520
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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]:	140
	Please note:	stronger bearing
	Center distance [mm]:	87
<b>8 050 45 012</b>	<b>Multispindle drilling head ER 25 AX UT IC</b>	
	Weight [kg]:	7.780
	Notation:	offset
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	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:	stronger bearing
<b>8 053 45 010</b>	<b>Multispindle radial head ER 25 AX UT</b>	
	Employment for:	Main spindle
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	130

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Part-#	Name	
<b>8 200 41 000</b>	<b>Plug Ø 40x60</b>	
	Weight [kg]:	1.140
	Shank size [mm]:	40.00
	Shank type:	VDI
<b>8 202 40 001</b>	<b>Basic holder for height adjustable adapter</b>	
	Weight [kg]:	3.320
	Shank size [mm]:	40.00
	Shank type:	VDI
	Coolant:	EXT
<b>8 202 40 010</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	3.170
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	43
<b>8 202 40 015</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	3.270
	Employment for:	Sub spindle
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	43
<b>8 202 40 017</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	3.910
	Version:	Special
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	63
<b>8 202 40 018</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	4.040
	Version:	Special
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	67,5
<b>8 214 43 011</b>	<b>Cut-off holder SH 32</b>	
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret center
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
	Please note:	demountable clampshaft

Part-#	Name	
<b>8 214 43 012</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	0.100
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on left turret side
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
	Please note:	demountalbe clampshaft
<b>8 214 43 020</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	3.330
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on right turret side
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
	Please note:	demountalbe clampshaft
<b>8 214 45 002</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	6.360
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Sq. 25 Sq. 25
	Coolant:	EXT
<b>8 230 47 010</b>	<b>Boring bar holder Ø 25</b>	
	Weight [kg]:	9.360
	Notation:	offset
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Please note:	Offset dimension to center 10 mm
	Center distance [mm]:	150
<b>8 230 47 011</b>	<b>Tool holder HT 5</b>	
	Weight [kg]:	8.580
	Notation:	offset
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	HT 5
	Coolant:	IC/Ext
	Center distance [mm]:	150
<b>8 230 48 009</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	9.140
	Notation:	offset
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	Offset dimension to central holding axes 10mm
	Center distance [mm]:	150

Part-#	Name	
<b>8 230 49 003</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	8.780
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Please note:	Offset dimension to center 45 mm
	Center distance [mm]:	150
<b>8 230 49 005</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	9.600
	Notation:	offset
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Please note:	Offset dimension to center 10 mm
	Center distance [mm]:	150
<b>8 230 49 008</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	9.500
	Version:	Special
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Please note:	Offset dimension to center 90 mm
	Center distance [mm]:	150
<b>8 234 45 001</b>	<b>Combi facing holder sq. 25</b>	
	Weight [kg]:	9.680
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 320 43 022</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	3.760
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
<b>8 320 43 024</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	Clampshaft internal



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Part-#	Name
<b>8 320 43 030</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>
	Weight [kg]: 3.860
	Employment for: Sub spindle
	Shank size [mm]: 40.00
	Shank type: VDI
	Tool adaption: Clampshaft SH 32
	Coolant: IC/Ext
	Pressure max [bar]: 70

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