

Nakamura  
**WY-100**



# 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

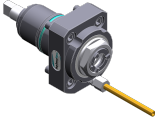
Tool systems for gear production

Digital tool management

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Part-#	Name	
<b>8 010 44 052</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	1.400
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 44 055</b>	<b>Axial milling and drill holder ER 20 AX UT</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 44 056</b>	<b>Axial milling and drill holder ER 20 AX UT IC</b>	
	Weight [kg]:	1.440
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 010 44 071</b>	<b>Axial drilling and milling head Weldon 14</b>	
	Weight [kg]:	1.640
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 14
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing

Part-#	Name
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<b>8 010 44 085</b>	<b>Axial drilling and milling head ER 20 AX UT IC</b>
Weight [kg]:	1.970
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 20 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	16
Rotation max [1/min]:	10000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	70
Please note:	High pressure version

<b>8 010 44 091</b>	<b>Axial drilling and milling head ER 20 AX UT</b>
	
Weight [kg]:	1.530
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 20 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	12000
Rotating direction:	same
Coolant:	EXT

<b>8 010 44 092</b>	<b>Axial drilling and milling head ER 20 AX UT IC</b>
	
Weight [kg]:	1.560
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 20 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	12000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	25

<b>8 010 44 093</b>	<b>Axial drilling and milling head ER 20 AX UT IC</b>
	
Weight [kg]:	2.020
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 20 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	12000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	100
Please note:	Dryrun possible

Part-#	Name	
8 010 45 081	<b>Axial drilling and milling head Weldon 16</b>	
		<p>Tool drive: Flat (~DIN 1809)            Shank size [mm]: 44.00            Shank type: BMT            Tool adaption: Weldon (DIN 1835 b) 16            Gear ratio [i]: 1:1            Torque max [Nm]: 16            Rotation max [1/min]: 6000            Rotating direction: same            Coolant: EXT            Please note: Combi bearing</p>
8 010 45 082	<b>Axial drilling and milling head Weldon 16 IC</b>	
		<p>Tool drive: Flat (~DIN 1809)            Shank size [mm]: 44.00            Shank type: BMT            Tool adaption: Weldon (DIN 1835 b) 16            Gear ratio [i]: 1:1            Torque max [Nm]: 16            Rotation max [1/min]: 6000            Rotating direction: same            Coolant: IC/Ext            Pressure max [bar]: 25            Please note: Combi bearing</p>
8 010 45 160	<b>Axial drilling and milling head ER 25 AX UT</b>	
		<p>Weight [kg]: 1.530            Tool drive: Flat (~DIN 1809)            Shank size [mm]: 44.00            Shank type: BMT            Tool adaption: ER 25 A - u-tec            Gear ratio [i]: 1:1            Torque max [Nm]: 16            Rotation max [1/min]: 8000            Rotating direction: same            Coolant: EXT            Please note: stronger bearing</p>
8 010 45 170	<b>Axial drilling and milling head ER 25 IC</b>	
		<p>Weight [kg]: 1.550            Tool drive: Flat (~DIN 1809)            Shank size [mm]: 44.00            Shank type: BMT            Tool adaption: ER 25            Gear ratio [i]: 1:1            Torque max [Nm]: 32            Rotation max [1/min]: 6000            Rotating direction: same            Coolant: IC/Ext            Pressure max [bar]: 25            Please note: Combi bearing</p>

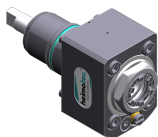
Part-#	Name
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<b>8 010 45 191</b>	<b>Axial milling and drill holder ER 25 AX UT</b>
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	8000
Rotating direction:	same
Coolant:	EXT
Please note:	Combi bearing

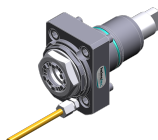
<b>8 010 45 192</b>	<b>Axial milling and drill holder ER 25 AX UT IC</b>
Weight [kg]:	1.800
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	8000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	25
Please note:	Combi bearing






<b>8 010 45 193</b>	<b>Axial milling and drill holder ER 25 AX UT IC</b>
Weight [kg]:	2.340
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	8000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	100
Please note:	Combi bearing; dryrun possible





<b>8 010 45 208</b>	<b>Axial drilling and milling head ER 25 AX UT</b>
Weight [kg]:	1.500
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	12000
Rotating direction:	same
Coolant:	EXT



Part-#	Name	
<b>8 010 45 209</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	1.750
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 010 45 210</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	1.980
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	15000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Dryrun possible
<b>8 010 46 149</b>	<b>Axial drilling and milling head HT 4 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 010 46 277</b>	<b>Axial drilling and milling head HT 4 IC</b>	
	Weight [kg]:	1.400
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing

Part-#	Name	
<b>8 010 46 323</b>	<b>Axial drilling and milling head Weldon 20</b>	
	Weight [kg]:	1.940
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
<b>8 011 44 017</b>	<b>Axial milling head universal arbor 16</b>	
	Weight [kg]:	1.560
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 011 44 018</b>	<b>Axial milling head universal arbor 3/4"</b>	
	Weight [kg]:	1.480
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 3/4" (19,05mm)
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 011 45 024</b>	<b>Axial milling head universal arbor 22</b>	
	Weight [kg]:	1.620
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing

Part-#	Name	
<b>8 011 45 033</b>	<b>Axial milling head universal arbor 1"</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 1" (25,4mm)
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 013 43 001</b>	<b>Axial drilling and milling head ER 11</b>	
	Weight [kg]:	1.850
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11
	Gear ratio [i]:	1:4
	Torque max [Nm]:	2,5
	Rotation max [1/min]:	48000
	Rotating direction:	same
	Coolant:	EXT
<b>8 013 44 002</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	1.850
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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
<b>8 013 44 003</b>	<b>Axial drilling and milling head ER 16 AX UT IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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]:	80
<b>8 019 44 014</b>	<b>Axial drilling and milling head ER 16</b>	
	Weight [kg]:	3.860
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16

Part-#	Name	
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
<b>8 019 44 017</b>	<b>Axial drilling and milling head HT 2</b>	
	Weight [kg]:	3.780
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 2
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
<b>8 019 44 040</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	3.780
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
<b>8 019 44 050</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	3.830
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	18000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
<b>8 019 44 052</b>	<b>Axial drilling and milling head ER 16 AX UT IC</b>	
	Weight [kg]:	4.530
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec

Part-#	Name	
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	18000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	180° reversible
	Offset [mm]:	34,5
<b>8 019 44 108</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
<b>8 019 44 109</b>	<b>Axial drilling and milling head ER 16 AX UT IC</b>	
	Weight [kg]:	4.450
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	180° reversible
	Offset [mm]:	34,5
<b>8 019 44 124</b>	<b>Axial drilling and milling head ER 16 AX UT IC</b>	
	Weight [kg]:	4.470
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	180° reversible
	Offset [mm]:	34,5

Part-#	Name
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**8 019 44 138**



**Axial drilling and milling head ER 16 AX UT**

Weight [kg]:	3.120
Notation:	offset; 180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 16 A - u-tec
Gear ratio [i]:	1:2
Torque max [Nm]:	16
Rotation max [1/min]:	20000
Rotating direction:	opposite
Coolant:	EXT
Please note:	Umsetzbarkeit check !
Offset [mm]:	34,5

**8 030 44 060**

**Radial drilling and milling head ER 16 AX UT IC**

Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 16 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	16
Rotation max [1/min]:	6000
Rotating direction:	opposite
Coolant:	IC/Ext
Pressure max [bar]:	140
Please note:	Combi bearing
Center distance [mm]:	60

**8 030 44 065**

**Radial drilling and milling head ER 16 AX UT**

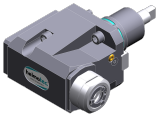
Weight [kg]:	4.360
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 16 A - u-tec
Gear ratio [i]:	1:2
Torque max [Nm]:	8
Rotation max [1/min]:	12000
Rotating direction:	same
Coolant:	EXT
Please note:	stronger bearing
Center distance [mm]:	68,5

**8 030 44 067**



**Angle-mill- and drill holder ER 20 AX UT**

Weight [kg]:	4.000
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 20 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	16
Rotation max [1/min]:	8000
Rotating direction:	opposite
Coolant:	EXT

Part-#	Name	
	Please note:	Combi bearing
	Center distance [mm]:	75
<b>8 030 44 068</b>	<b>Angle-mill- and drill holder ER 20 AX UT IC</b>	
	Weight [kg]:	4.300
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	75
<b>8 030 44 069</b>	<b>Radial drilling and milling head ER 20 AX UT</b>	
	Weight [kg]:	4.520
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	68,5
<b>8 030 44 070</b>	<b>Radial drilling and milling head ER 20 AX UT IC</b>	
	Weight [kg]:	4.570
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	68,5
<b>8 030 44 083</b>	<b>Radial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	4.580
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec

Part-#	Name
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Gear ratio [i]: 1:2  
 Torque max [Nm]: 8  
 Rotation max [1/min]: 12000  
 Rotating direction: same  
 Coolant: EXT  
 Please note: stronger bearing; Umsetzbarkeit check !  
 Center distance [mm]: 75

**8 030 44 172 Radial drilling and milling head ER 16 AX UT**

Weight [kg]: 4.360  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 16 A - u-tec  
 Gear ratio [i]: 1:3  
 Torque max [Nm]: 8  
 Rotation max [1/min]: 18000  
 Rotating direction: same  
 Coolant: EXT  
 Center distance [mm]: 68,5

**8 030 44 173 Radial drilling and milling head ER 16 AX UT IC**

Weight [kg]: 4.380  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 16 A - u-tec  
 Gear ratio [i]: 1:3  
 Torque max [Nm]: 8  
 Rotation max [1/min]: 18000  
 Rotating direction: same  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Center distance [mm]: 68,5

**8 030 44 179 Radial drilling and milling head ER 16 AX UT**



Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 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]: 60

**8 030 44 180 Radial drilling and milling head ER 16 AX UT IC**



Weight [kg]: 4.300  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 16 A - u-tec

Part-#	Name
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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]: 60

**8 030 44 214 Radial drilling and milling head ER 20 AX UT**

Weight [kg]: 4.750  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 20 A - u-tec  
 Gear ratio [i]: 1:2  
 Torque max [Nm]: 8  
 Rotation max [1/min]: 12000  
 Rotating direction: same  
 Coolant: EXT  
 Please note: stronger bearing; check applicability !  
 Center distance [mm]: 75

**8 030 44 225 Radial drilling and milling head ER 20 AX UT**



Weight [kg]: 3.830  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 20 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 32  
 Rotation max [1/min]: 12000  
 Rotating direction: opposite  
 Coolant: EXT  
 Center distance [mm]: 60

**8 030 44 226 Radial drilling and milling head ER 20 AX UT IC**

Weight [kg]: 4.250  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 20 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 32  
 Rotation max [1/min]: 12000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Center distance [mm]: 60

Part-#	Name
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8 030 44 237

**Angle-mill- and drill holder ER 20 AX UT**



Weight [kg]: 3.880  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 20 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 32  
 Rotation max [1/min]: 8000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: Combi bearing  
 Center distance [mm]: 60

8 030 44 238

**Angle-mill- and drill holder ER 20 AX UT IC**



Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 20 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 32  
 Rotation max [1/min]: 8000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Please note: Combi bearing  
 Center distance [mm]: 60

8 030 45 158

**Radial drilling and milling head ER 25 AX UT**

Weight [kg]: 4.520  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 25 A - u-tec  
 Gear ratio [i]: 2:1  
 Torque max [Nm]: 32  
 Rotation max [1/min]: 3000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: Combi bearing  
 Center distance [mm]: 72

8 030 45 218

**Radial drilling and milling head ER 25 AX UT IC**


Weight [kg]: 5.040  
 Notation: 180° reversible  
 Version: Special  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 44.00  
 Shank type: BMT  
 Tool adaption: ER 25 A - u-tec  
 Gear ratio [i]: 2:1  
 Torque max [Nm]: 32  
 Rotation max [1/min]: 3000  
 Rotating direction: opposite


Part-#	Name	
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	72
<b>8 030 45 326</b>	<b>Radial drilling and milling head C 3 IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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]:	58
<b>8 030 45 328</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	4.537
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	75
<b>8 030 45 540</b>	<b>Angle-mill- and drill holder ER 25 AX UT</b>	
	Weight [kg]:	4.190
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	60







Part-#	Name
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<b>8 030 45 560</b>	<b>Radial drilling and milling head Weldon 3/4"</b>
Weight [kg]:	4.420
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	Weldon (DIN 1835 b) 3/4" (19,05mm)
Gear ratio [i]:	2:1
Torque max [Nm]:	32
Rotation max [1/min]:	4000
Rotating direction:	opposite
Coolant:	EXT
Please note:	Combi bearing
Center distance [mm]:	60

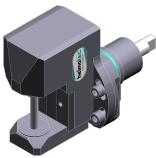
<b>8 030 45 574</b>	<b>Radial drilling and milling head ER 25 AX UT</b>
	
Weight [kg]:	3.740
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	12000
Rotating direction:	opposite
Coolant:	EXT
Center distance [mm]:	60

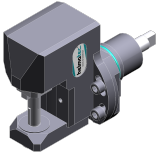
<b>8 030 45 575</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>
	
Weight [kg]:	4.600
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	12000
Rotating direction:	opposite
Coolant:	IC/Ext
Pressure max [bar]:	140
Center distance [mm]:	60

<b>8 030 45 609</b>	<b>Angle-mill- and drill holder ER 25 AX UT</b>
	
Weight [kg]:	3.900
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	44.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	32
Rotation max [1/min]:	8000
Rotating direction:	opposite
Coolant:	EXT
Please note:	Combi bearing

Part-#	Name	
	Center distance [mm]:	60
<b>8 030 45 610</b>	<b>Angle-mill- and drill holder ER 25 AX UT IC</b>	
	Weight [kg]:	4.240
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	60
<b>8 030 46 266</b>	<b>Radial drilling and milling head HT 4</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Pressure max [bar]:	140
	Center distance [mm]:	60
<b>8 030 46 267</b>	<b>Radial drilling and milling head HT 4 IC</b>	
	Weight [kg]:	4.250
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	60
<b>8 030 46 337</b>	<b>Radial drilling and milling head HT 4 IC</b>	
	Weight [kg]:	4.310
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	75
<b>8 030 46 503</b>	<b>Radial drilling and milling head HT 4</b>	
	Weight [kg]:	3.540
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60
<b>8 030 46 504</b>	<b>Radial drilling and milling head HT 4 IC</b>	
	Weight [kg]:	3.790
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	60
<b>8 031 40 000</b>	<b>Radial milling head arbor 5</b>	
	Weight [kg]:	2.480
	Notation:	180° reversible
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	with interchangeable arbor
	Center distance [mm]:	60

Part-#	Name	
<b>8 031 44 032</b>	<b>Radial polygon head arbor 16</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Polygon arbor 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	60
<b>8 031 44 046</b>	<b>Radial polygon head arbor 16</b>	
	Weight [kg]:	5.000
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Polygon arbor 16
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	72
<b>8 031 45 040</b>	<b>Radial milling head universal arbor 22</b>	
	Weight [kg]:	4.730
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	72
<b>8 037 41 000</b>	<b>Radial disk mill head arbor 8</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 8
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	no
	Center distance [mm]:	78

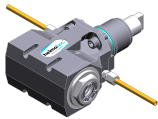
Part-#	Name	
<b>8 037 42 000</b>	<b>Radial disk mill head arbor 10</b>	
	Weight [kg]:	5.020
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 10
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	no
	Center distance [mm]:	78
<b>8 037 43 003</b>	<b>Radial disk mill head arbor 13</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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:	no
	Center distance [mm]:	78
<b>8 037 44 012</b>	<b>Radial disk mill head arbor 16</b>	
	Weight [kg]:	5.300
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 16
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	no
	Center distance [mm]:	78
<b>8 039 44 032</b>	<b>Radial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	3.780
	Notation:	180° reversible
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60

Part-#	Name
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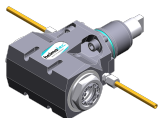
<b>8 039 44 058</b>	<b>Radial drilling and milling head ER 16 AX UT</b>	4.690
	Weight [kg]:	4.690
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	16000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	68,5


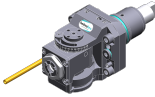
<b>8 039 44 059</b>	<b>Radial drilling and milling head ER 16 AX UT</b>	4.660
	Weight [kg]:	4.660
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	6
	Rotation max [1/min]:	20000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	68,5

<b>8 039 44 094</b>	<b>Radial drilling and milling head ER 20 AX UT</b>	4.140
	Weight [kg]:	4.140
	Notation:	180° reversible
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60



<b>8 039 45 009</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	4.080
	Weight [kg]:	4.080
	Notation:	180° reversible
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT



Part-#	Name	
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60
<b>8 040 43 003</b>	<b>Universal head ± 90° adjustable ER 11 AX</b>	
	Weight [kg]:	3.550
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	67
<b>8 040 44 025</b>	<b>Universal head ± 90° adjustable HT 2</b>	
	Weight [kg]:	3.560
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 2
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	67
<b>8 040 44 031</b>	<b>Universal head ± 90° adjustable ER 16</b>	
	Weight [kg]:	3.580
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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]:	67
<b>8 040 44 110</b>	<b>Universal head ± 90° adjustable ER 16 AX UT</b>	
	Weight [kg]:	3.800
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000

Part-#	Name
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Rotating direction: same  
Coolant: EXT  
Center distance [mm]: 58

**8 040 44 111 Universal head ± 90° adjustable ER 16 AX UT IC**



Weight [kg]: 3.040  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 44.00  
Shank type: BMT  
Tool adaption: ER 16 A - u-tec  
Gear ratio [i]: 1:1  
Torque max [Nm]: 16  
Rotation max [1/min]: 12000  
Rotating direction: same  
Coolant: IC/Ext  
Pressure max [bar]: 140  
Center distance [mm]: 58

**8 040 44 116 Universal head ± 90° adjustable ER 16 AX UT**



Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 44.00  
Shank type: BMT  
Tool adaption: ER 16 A - u-tec  
Gear ratio [i]: 1:2  
Torque max [Nm]: 8  
Rotation max [1/min]: 20000  
Rotating direction: same  
Coolant: EXT  
Center distance [mm]: 58

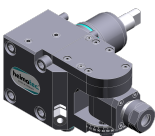

**8 040 44 117 Universal head ± 90° adjustable ER 16 AX UT IC**

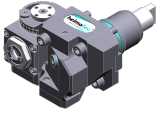



Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 44.00  
Shank type: BMT  
Tool adaption: ER 16 A - u-tec  
Gear ratio [i]: 1:2  
Torque max [Nm]: 8  
Rotation max [1/min]: 20000  
Rotating direction: same  
Coolant: IC/Ext  
Pressure max [bar]: 140  
Center distance [mm]: 58

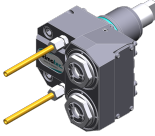
**8 043 43 000 Universal head + 90° adj. ER11 AX**

Weight [kg]: 4.040  
Notation: offset  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 44.00  
Shank type: BMT  
Tool adaption: ER 11 A  
Gear ratio [i]: 1:1  
Torque max [Nm]: 10  
Rotation max [1/min]: 6000  
Rotating direction: opposite  
Coolant: EXT  
Please note: 180° reversible  
Center distance [mm]: 25

Part-#	Name	
	Offset [mm]:	72
<b>8 043 43 001</b>	<b>Universal head +155° adj. ER11 AX</b>	
	Weight [kg]:	4.200
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:2
	Torque max [Nm]:	5
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	25
	Offset [mm]:	74
<b>8 043 43 004</b>	<b>Universal head +155° adj. ER11 AX IC</b>	
	Weight [kg]:	4.500
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:2
	Torque max [Nm]:	5
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	25
	Offset [mm]:	74
<b>8 043 44 001</b>	<b>Universal head + 90° adjustable ER 16</b>	
	Weight [kg]:	4.070
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	180° reversible
	Center distance [mm]:	25
	Offset [mm]:	72
<b>8 043 44 051</b>	<b>Universal head + 60°/- 5° adj. ER16AX UT</b>	
	Weight [kg]:	3.640
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1

Part-#	Name	
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	180° reversible
	Center distance [mm]:	25
	Offset [mm]:	50
<b>8 043 44 052</b>	<b>Universal head + 60°/- 5° adj. ER16AX UTIK</b>	
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	180° reversible
	Center distance [mm]:	25
	Offset [mm]:	50
<b>8 050 44 010</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Notation:	offset
	Version:	3-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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:	same
	Coolant:	EXT
	Please note:	2xER 16 A UT offset, 1x centered
<b>8 050 44 011</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	3.810
	Notation:	offset; 180° reversible
	Version:	2-spindles in short version
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	20
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	50

Part-#	Name	
<b>8 050 44 018</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	4.830
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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
	Offset [mm]:	50
<b>8 050 44 019</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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:	same
	Coolant:	EXT
	Offset [mm]:	50
<b>8 050 44 021</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	3.770
	Notation:	offset; 180° reversible
	Version:	2-spindles in short version
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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
	Offset [mm]:	50
<b>8 050 44 024</b>	<b>Multispindle drilling head ER 16 AX UT IC</b>	
	Weight [kg]:	4.840
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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:	IC/Ext
	Pressure max [bar]:	25


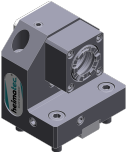

Part-#	Name	
	Offset [mm]:	50
<b>8 050 44 069</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	4.060
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	50
<b>8 050 44 070</b>	<b>Multispindle drilling head ER 16 AX UT IC</b>	
	Weight [kg]:	4.150
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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
	Offset [mm]:	50
<b>8 050 44 071</b>	<b>Multispindle drilling head ER 20 AX UT</b>	
	Weight [kg]:	4.160
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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
	Offset [mm]:	50
<b>8 053 44 068</b>	<b>Multispindle radial head ER 16 AX UT</b>	
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	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

Part-#	Name	
	Rotating direction:	same
	Coolant:	EXT
	Pressure max [bar]:	140
	Center distance [mm]:	60
<b>8 053 44 070</b>	<b>Multispindle radial head ER 16 AX UT</b>	
	Weight [kg]:	5.600
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16/Sp
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	60
<b>8 053 44 071</b>	<b>Multispindle radial head ER 16 AX UTIK</b>	
	Weight [kg]:	5.600
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16/Sp
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	60
<b>8 068 44 000</b>	<b>Radial whirling unit HW 46</b>	
	Weight [kg]:	4.960
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HW 46
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	no
	Please note:	without cutting inserts carrier
	Center distance [mm]:	63
<b>8 200 03 011</b>	<b>Cover plate</b>	
	Weight [kg]:	0.214
	Shank type:	BMT

Part-#	Name	
<b>8 202 10 005</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	0.720
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Interface FN 12
	Coolant:	EXT
<b>8 209 48 001</b>	<b>Adapter for sensor Renishaw RLP</b>	
	Weight [kg]:	0.980
	Notation:	180° reversible
	Shank size [mm]:	44.00
	Shank type:	BMT
	Coolant:	no
<b>8 224 11 012</b>	<b>Cut-off holder sq. 20</b>	
	Weight [kg]:	0.920
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
<b>8 224 11 013</b>	<b>Cut-off holder sq. 20</b>	
	Weight [kg]:	0.890
	Employment for:	left cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
<b>8 224 11 014</b>	<b>Turning holder sq. 3/4"</b>	
	Employment for:	left cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
<b>8 224 11 015</b>	<b>Cut-off holder sq. 3/4"</b>	
	Weight [kg]:	0.900
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT

Part-#	Name	
<b>8 224 12 008</b>	<b>Cut-off holder SH 26</b>	
	Weight [kg]:	1.010
	Employment for:	Cut-off tool 26
	Version:	Clampshaft on turret center
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 26
	Coolant:	EXT
<b>8 224 12 009</b>	<b>Cut-off holder SH 26</b>	
	Weight [kg]:	1.120
	Employment for:	for cut-off tool 26
	Version:	Clampshaft on turret side
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 26
	Coolant:	EXT
<b>8 224 13 006</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	0.800
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret center
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
<b>8 224 14 007</b>	<b>Universal turning holder sq. 20</b>	
	Weight [kg]:	2.030
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	EXT
<b>8 224 14 008</b>	<b>Universal turning holder sq. 3/4"</b>	
	Weight [kg]:	1.970
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	EXT
<b>8 224 14 017</b>	<b>Universal turning holder sq. 20</b>	
	Notation:	180° reversible
	Version:	short
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	EXT

Part-#	Name	
8 224 14 024	<b>Universal turning holder sq. 20 IC</b>	
		<p>Weight [kg]: 1.970            Notation: 180° reversible            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 20            Sq. 20            Coolant: IC/Ext            Pressure max [bar]: 100            Please note: Key rail</p>
8 224 14 030	<b>Universal turning holder sq. 3/4" IC</b>	
		<p>Weight [kg]: 1.700            Notation: 180° reversible            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 3/4" (19,05mm)            Sq. 3/4" (19,05mm)            Coolant: IC/Ext            Pressure max [bar]: 100            Please note: Key rail</p>
8 225 11 006	<b>Cut-off holder sq. 20</b>	
		<p>Weight [kg]: 0.900            Employment for: left cutting tools            Version: Edge on side of turret            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 20            Coolant: EXT</p>
8 225 11 007	<b>Cut-off holder sq. 20</b>	
		<p>Weight [kg]: 0.900            Employment for: right cutting tools            Version: Edge on center of turret            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 20            Coolant: EXT</p>
8 225 11 008	<b>Cut-off holder sq. 3/4"</b>	
		<p>Weight [kg]: 0.910            Employment for: left cutting tools            Version: Edge on side of turret            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 3/4" (19,05mm)            Coolant: EXT</p>
8 229 15 006	<b>Tool holder C 3 IC</b>	
		<p>Weight [kg]: 1.880            Notation: 180° reversible            Version: right            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: heimatec Capto(TM) C 3</p>

Part-#	Name	
	Coolant:	IC
	Please note:	Check applicability, tool length check!
	Offset [mm]:	45
<b>8 240 15 007</b>	<b>Insert drill holder 16 IC</b>	
	Weight [kg]:	4.540
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Whistle-Notch (DIN 1835 E) 16
	Coolant:	IC
	Center distance [mm]:	75
<b>8 240 15 011</b>	<b>Collet chuck holder ER 25</b>	
	Weight [kg]:	1.910
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25
	Coolant:	IC/Ext
	Center distance [mm]:	60
<b>8 240 15 024</b>	<b>Collet chuck holder ER 25 AX UT</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25 A - u-tec
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 240 15 025</b>	<b>Collet chuck holder ER 25 AX UT</b>	
	Weight [kg]:	2.100
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25 A - u-tec
	Coolant:	IC/Ext
	Center distance [mm]:	60
<b>8 240 15 042</b>	<b>Tool holder C 3 IC</b>	
	Weight [kg]:	2.300
	Notation:	180° reversible
	Version:	offset; right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	70
<b>8 240 15 043</b>	<b>Tool holder C 3 IC</b>	
	Weight [kg]:	2.470
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3



Part-#	Name
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	<p>Coolant: IC Please note: Check applicability; note tool length Center distance [mm]: 70</p>
<p><b>8 240 16 007</b></p> 	<p><b>Boring bar holder Ø 20</b> Weight [kg]: 2.130 Notation: 180° reversible Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: Ø 20 Coolant: IC/Ext Center distance [mm]: 75</p>
<p><b>8 240 16 068</b></p> 	<p><b>Tool holder C 4 IC</b> Notation: 180° reversible Version: offset; right Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: heimatec Capto(TM) C 4 Coolant: IC Pressure max [bar]: 100 Please note: Check applicability; note tool length! Center distance [mm]: 75</p>
<p><b>8 240 17 009</b></p> 	<p><b>Boring bar holder Ø 25</b> Weight [kg]: 1.740 Machine adaption: Centering key b 20 Tool adaption: Ø 25 Coolant: IC/Ext Center distance [mm]: 60</p>
<p><b>8 240 17 020</b></p> 	<p><b>Boring bar holder Ø 25</b> Weight [kg]: 2.050 Notation: 180° reversible Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: Ø 25 Coolant: IC/Ext Center distance [mm]: 75</p>
<p><b>8 240 17 029</b></p>	<p><b>Boring bar holder Ø 1"</b> Weight [kg]: 2.050 Notation: 180° reversible Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: Ø 1" (25,4mm) Coolant: IC/Ext Center distance [mm]: 75</p>

Part-#	Name	
<b>8 240 17 083</b>	<b>Boring bar holder Ø 25</b>	180° reversible special offset BMT Centering key b 20 Ø 25 IC/Ext Tool holder on turret center 60
<b>8 240 17 086</b>	<b>Boring bar holder Ø 25</b>	3.540 180° reversible offset BMT Centering key b 20 Ø 25 IC/Ext Tool adaption on turret center 75
<b>8 240 18 025</b>	<b>Boring bar holder Ø 32</b>	3.610 180° reversible offset BMT Centering key b 20 Ø 32 IC/Ext Tool adaption to turret center 75
<b>8 240 18 027</b>	<b>Boring bar holder Ø 32</b>	2.900 180° reversible offset BMT Centering key b 20 Ø 32 IC/Ext Tool holder on turret center 60
<b>8 240 18 048</b>	<b>Boring bar holder Ø 1 1/4 "</b>	2.750 180° reversible offset BMT Centering key b 20 Ø 1 1/4" (31,75mm) IC/Ext Tool holder on turret center 60


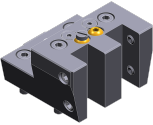
Part-#	Name	
<b>8 240 18 052</b>	<b>Boring bar holder Ø 1 1/4 "</b>	
	Weight [kg]:	3.140
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 240 18 076</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	3.400
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	Tool adaption on turret center
	Center distance [mm]:	75
<b>8 244 11 003</b>	<b>Facing holder sq. 20</b>	
	Weight [kg]:	2.550
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
<b>8 244 11 006</b>	<b>Facing holder sq. 3/4"</b>	
	Weight [kg]:	2.460
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
<b>8 249 15 008</b>	<b>Double collet chuck holder ER 25 AX UT</b>	
	Weight [kg]:	3.110
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25 A - u-tec
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 249 15 014</b>	<b>Double tool holder C 3 IC</b>	
	Weight [kg]:	3.500
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3 heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability!; note tool length!
	Center distance [mm]:	70



Part-#	Name	
8 251 11 004	<b>Double turning holder sq. 20</b>	
		<p>Weight [kg]: 3.250            Notation: 180° reversible            Employment for: right cutting tools            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 20            Sq. 20            Coolant: EXT</p>
8 251 11 005	<b>Double turning holder sq. 16</b>	
		<p>Weight [kg]: 3.360            Notation: 180° reversible            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 16            Coolant: EXT</p>
8 251 11 008	<b>Double turning holder sq. 3/4"</b>	
		<p>Weight [kg]: 3.240            Notation: 180° reversible            Employment for: right cutting tools            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 3/4" (19,05mm)            Sq. 3/4" (19,05mm)            Coolant: EXT</p>
8 251 13 020	<b>Combi multiple holder 3x sq. 3/4" IC</b>	
		<p>Weight [kg]: 2.280            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 3/4" (19,05mm)            Sq. 3/4" (19,05mm)            Coolant: IC/Ext            Pressure max [bar]: 100            Please note: Key rail</p>
8 251 13 025	<b>Combi multiple holder 3x sq. 3/4"</b>	
		<p>Weight [kg]: 2.100            Employment for: Main- and sub spindle            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 3/4" (19,05mm)            Sq. 3/4" (19,05mm)            Coolant: EXT</p>
8 251 13 026	<b>Combi multiple holder 6x sq. 3/4" IC</b>	
		<p>Weight [kg]: 3.400            Employment for: Main- and sub spindle            Shank type: BMT            Machine adaption: Centering key b 20            Tool adaption: Sq. 3/4"            Sq. 3/4"            Sq. 3/4"            Sq. 3/4"</p>

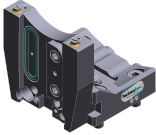
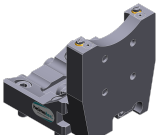

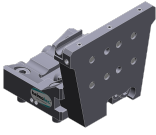


Part-#	Name	
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 251 14 008</b>	<b>Combi multiple holder 6x sq. 20</b>	
	Weight [kg]:	3.660
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	EXT
<b>8 251 14 010</b>	<b>Combi multiple holder 3x sq. 20</b>	
	Weight [kg]:	2.390
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	EXT
<b>8 251 14 014</b>	<b>Combi multiple holder 6x sq. 3/4"</b>	
	Weight [kg]:	3.690
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	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 14 076</b>	<b>Combi multiple holder 6x sq. 20 IC</b>	
	Weight [kg]:	3.620
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 251 14 077</b>	<b>Combi multiple holder 3x sq. 20 IC</b>	
	Weight [kg]:	2.270
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail

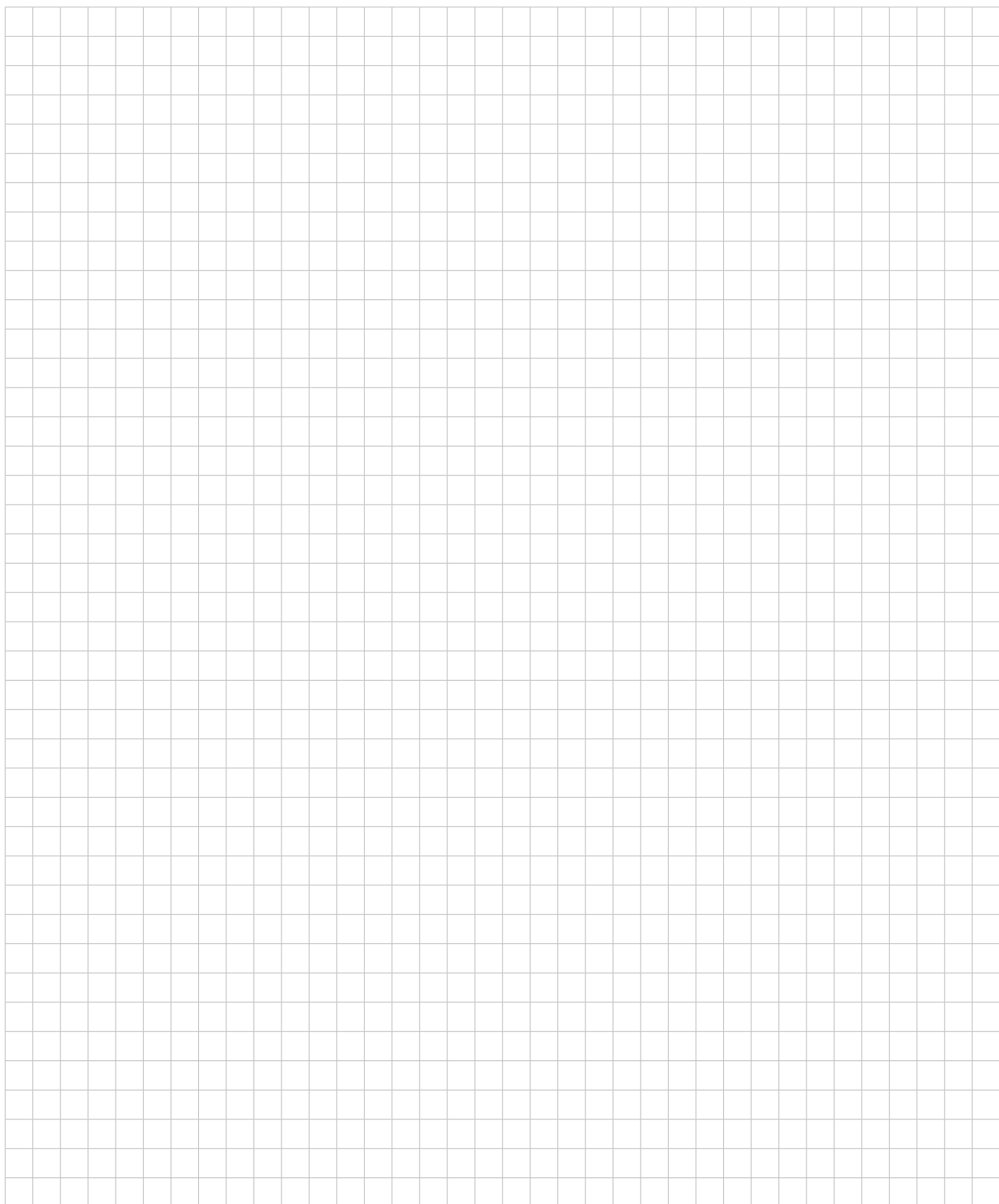
Part-#	Name	
<b>8 251 14 099</b>	<b>Combi double turning holder sq. 20 IC</b>	
	Weight [kg]:	3.140
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 251 14 106</b>	<b>Combi multiple holder 3x sq. 20 IC</b>	
	Weight [kg]:	2.160
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 251 14 107</b>	<b>Combi multiple holder 6x sq. 20 IC</b>	
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
<b>8 251 15 036</b>	<b>Multiple tool holder C 3 IC</b>	
	Weight [kg]:	2.340
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3
		heimatec Capto(TM) C 3 - 15°
	Coolant:	IC
	Please note:	Check applicability; note tool length
	Offset [mm]:	45
<b>8 253 14 005</b>	<b>Multiple collet chuck holder ER 16 AX UT</b>	
	Weight [kg]:	3.800
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 16 A - u-tec/2x ER 16 A - u-tec - 15°
		ER 16 A - u-tec/2x ER 16 A - u-tec - 15°
	Coolant:	IC/Ext
	Center distance [mm]:	75

Part-#	Name	
 <p><b>8 253 15 002</b></p>	<p><b>Multiple tool holder C 3 IC</b>            Weight [kg]:            Version:            Shank type:            Machine adaption:            Tool adaption:            Coolant:            Please note:            Center distance [mm]:</p>	<p>3.680            right            BMT            Centering key b 20            heimatec Capto(TM) C 3            IC            Check applicability, note tool length!            70</p>
 <p><b>8 253 15 004</b></p>	<p><b>Multiple boring bar holder 3x Ø 16</b>            Weight [kg]:            Notation:            Shank type:            Machine adaption:            Tool adaption:            Coolant:            Center distance [mm]:</p>	<p>3.330            180° reversible            BMT            Centering key b 20            Ø 16            Ø 16            IC/Ext            56/80</p>
 <p><b>8 253 15 020</b></p>	<p><b>Multiple tool holder C 3 IC</b>            Weight [kg]:            Version:            Shank type:            Machine adaption:            Tool adaption:            Coolant:            Please note:            Center distance [mm]:</p>	<p>3.450            offset, right            BMT            Centering key b 20            heimatec Capto(TM) C 3            IC            Check applicability, note tool length!            70</p>
 <p><b>8 253 17 020</b></p>	<p><b>Multiple boring bar holder 2x Ø 25</b>            Weight [kg]:            Notation:            Shank type:            Machine adaption:            Tool adaption:            Coolant:            Center distance [mm]:</p>	<p>3.290            180° reversible            BMT            Centering key b 20            Ø 25            Ø 25 - 15°            IC/Ext            75</p>
<p><b>8 253 17 033</b></p>	<p><b>Multiple boring bar holder 2x Ø 1"</b>            Weight [kg]:            Notation:            Shank type:            Machine adaption:            Tool adaption:            Coolant:            Center distance [mm]:</p>	<p>3.270            180° reversible            BMT            Centering key b 20            Ø 1" (25,4mm)            Ø 1" (25,4mm) - 15°            IC/Ext            75</p>

Part-#	Name	
<b>8 253 17 037</b>	<b>Multiple boring bar holder 2x Ø 25</b>	
	Weight [kg]:	3.590
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25 Ø 25 - 15°
	Coolant:	IC/Ext
	Center distance [mm]:	80
<b>8 254 11 000</b>	<b>Multiple facing holder 3x sq. 20</b>	
	Weight [kg]:	3.370
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20 Sq. 20 - 15° Sq. 20 - 15°
	Coolant:	EXT
	Center distance [mm]:	70
<b>8 254 11 001</b>	<b>Multiple facing holder 3x sq. 12</b>	
	Weight [kg]:	3.820
	Employment for:	Main- and sub spindle
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 12 Sq. 12
	Coolant:	EXT
	Center distance [mm]:	78
<b>8 254 14 000</b>	<b>Multiple facing holder 3x sq. 20</b>	
	Weight [kg]:	3.580
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20 Sq. 20
	Coolant:	EXT
	Center distance [mm]:	70
<b>8 259 11 002</b>	<b>Multiple turning holder 2x sq. 20</b>	
	Weight [kg]:	2.080
	Notation:	180° reversible
	Version:	Y-axes offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20 Sq. 20
	Coolant:	EXT

Part-#	Name	
<b>8 259 15 015</b>	<b>Multiple tool holder C 3 IC</b>	
	Weight [kg]:	5.880
	Employment for:	Main- and sub spindle
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3
		heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability, note tool length!
	Center distance [mm]:	70
<b>8 259 19 005</b>	<b>Multiple holder Ø 25 and sq. 20</b>	
	Weight [kg]:	3.980
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Center distance [mm]:	75
<b>8 261 18 006</b>	<b>Tool holder for centering insert</b>	
	Weight [kg]:	2.600
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 20
	Tool adaption:	Ø 32
	Coolant:	EXT
	Please note:	Price without centering point
	Center distance [mm]:	60
<b>8 320 12 007</b>	<b>Cut-off holder, height adjustable SH 26 IC</b>	
	Weight [kg]:	1.230
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 26
	Coolant:	IC/Ext
	Pressure max [bar]:	70
<b>8 320 12 008</b>	<b>Cut-off holder, height adjustable SH 26 IC</b>	
	Weight [kg]:	1.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 26
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	Clampshaft internal

Part-#	Name	
8 320 13 003	<b>Cut-off holder, height adjustable SH 32 IC</b> 	Weight [kg]: 1.300
		Notation: 180° reversible
8 320 13 013	<b>Cut-off holder, height adjustable SH 32 IC</b> 	Shank type: BMT
		Machine adaption: Centering key b 20
		Tool adaption: Clampshaft SH 32
		Coolant: IC/Ext
		Pressure max [bar]: 70
		Please note: with offset cut-off tool holder; use
		Weight [kg]: 1.580
Notation: 180° reversible		
8 320 13 014	<b>Cut-off holder, height adjustable SH 32 IC</b> 	Shank type: BMT
		Machine adaption: Centering key b 20
		Tool adaption: Clampshaft SH 32
		Coolant: IC/Ext
		Pressure max [bar]: 70
		Please note: Clampshaft internal
		Weight [kg]: 1.430
Notation: 180° reversible		
8 320 13 032	<b>Cut-off holder, height adjustable SH 32 IC</b> 	Shank type: BMT
		Machine adaption: Centering key b 20
		Tool adaption: Clampshaft SH 32
		Coolant: IC/Ext
		Pressure max [bar]: 70
		Please note: Clampshaft internal; cut-off tool able to penetrate the tool holder body
		Weight [kg]: 1.500
Notation: 180° reversible		
8 320 19 008	<b>Cut-off holder, height adjustable 845 IC</b> 	Shank type: BMT
		Machine adaption: Centering key b 20
		Tool adaption:  System 845
		Coolant: IC
		Pressure max [bar]: 70
		Please note: Clampshaft internal
		Weight [kg]: 1.500
Notation: 180° reversible		





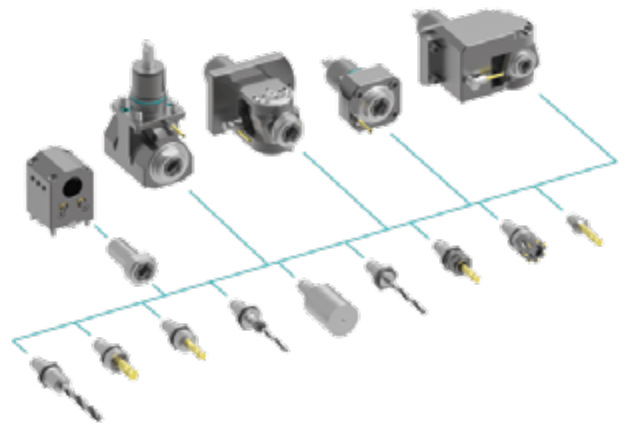
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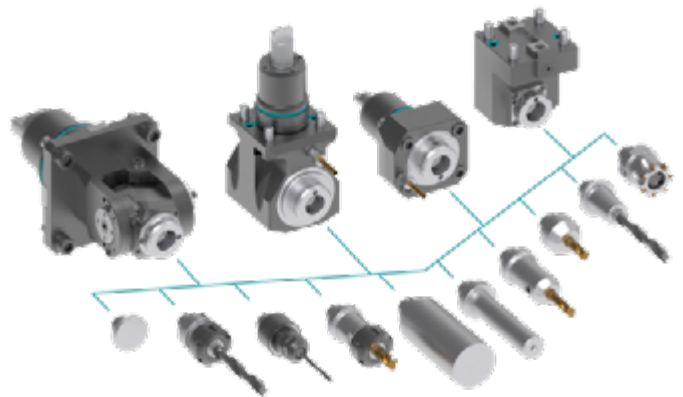
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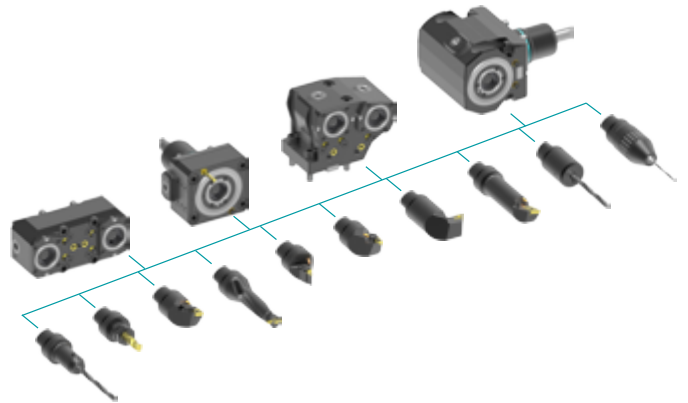
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