

Nakamura  
**TMC-200 M**



# 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

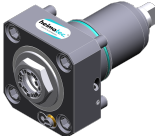
Digital tool management

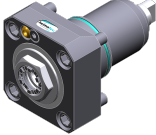
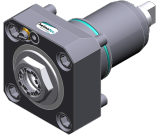
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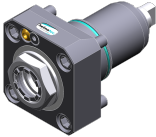

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Part-#	Name	
<b>8 010 64 003</b>	<b>Axial drilling and milling head Weldon 12 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 12
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 010 64 005</b>	<b>Axial drilling and milling head Weldon 12</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 12
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 64 006</b>	<b>Axial drilling and milling head Weldon 14 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 14
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
<b>8 010 65 005</b>	<b>Axial drilling and milling head Weldon 16</b>	
	Weight [kg]:	2.920
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 65 006</b>	<b>Axial drilling and milling head Weldon 16 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25

Part-#	Name	
<b>8 010 65 017</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	2.800
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
<b>8 010 65 020</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	2.700
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 010 65 021</b>	<b>Axial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	2.670
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 65 022</b>	<b>Axial milling and drill holder ER 25 AX UT IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Combi bearing; dryrun possible

Part-#	Name	
	<b>8 010 65 023</b>	<b>Axial milling and drill holder ER 25 AX UT</b>
		Weight [kg]: 3.950 Tool drive: Flat (~DIN 1809) Shank size [mm]: 65.00 Shank type: BMT Tool adaption: ER 25 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 5000 Rotating direction: same Coolant: EXT Please note: Combi bearing
	<b>8 010 65 038</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>
		Tool drive: Flat (~DIN 1809) Shank size [mm]: 65.00 Shank type: BMT Tool adaption: ER 25 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 5000 Rotating direction: same Coolant: IC/Ext Pressure max [bar]: 100 Please note: Dryrun possible
	<b>8 010 66 002</b>	<b>Axial drilling and milling head ER 32 IC</b>
		Weight [kg]: 2.920 Tool drive: Flat (~DIN 1809) Shank size [mm]: 65.00 Shank type: BMT 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 66 003</b>	<b>Axial drilling and milling head ER 32</b>
		Weight [kg]: 2.880 Tool drive: Flat (~DIN 1809) Shank size [mm]: 65.00 Shank type: BMT Tool adaption: ER 32 Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 6000 Rotating direction: same Coolant: EXT

Part-#	Name	
<b>8 010 66 017</b>	<b>Axial drilling and milling head HT 4</b>	
	Weight [kg]:	2.860
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
<b>8 010 66 043</b>	<b>Axial drilling and milling head ER 32 IC</b>	
	Weight [kg]:	3.000
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	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
	Please note:	stronger bearing
<b>8 010 66 050</b>	<b>Axial milling and drill holder ER 32 AX UT</b>	
	Weight [kg]:	3.920
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 66 067</b>	<b>Axial milling and drill holder ER 32 AX UT IC</b>	
	Weight [kg]:	4.030
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Combi bearing; Trockenauf possible

Part-#	Name
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**8 010 66 126**



**Axial drilling and milling head ER 32 AX UT**

Weight [kg]:	4.080
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 32 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	50
Rotation max [1/min]:	6000
Rotating direction:	same
Coolant:	EXT

**8 010 66 127**



**Axial drilling and milling head ER 32 AX UT IC**

Weight [kg]:	4.000
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 32 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	50
Rotation max [1/min]:	6000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	100
Please note:	Dryrun possible

**8 010 67 013**

**Axial drilling and milling head HT 5**

Weight [kg]:	2.960
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	HT 5
Gear ratio [i]:	1:1
Torque max [Nm]:	50
Rotation max [1/min]:	6000
Rotating direction:	same
Coolant:	EXT
Please note:	stronger bearing


**8 010 67 016**

**Axial drilling and milling head HT 5 IC**


Weight [kg]:	2.990
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	HT 5
Gear ratio [i]:	1:1
Torque max [Nm]:	50
Rotation max [1/min]:	6000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	25
Please note:	stronger bearing

Part-#	Name	
<b>8 010 67 024</b>	<b>Axial drilling and milling head HT 5 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	HT 5
	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 67 029</b>	<b>Axial drilling and milling head HT 5 IC</b>	
	Weight [kg]:	2.960
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	High pressure version
<b>8 010 67 054</b>	<b>Axial drilling and milling head ER 40 AX UT</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 67 062</b>	<b>Axial drilling and milling head Weldon 25 IC</b>	
	Weight [kg]:	4.140
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing


Part-#	Name
<b>8 010 67 127</b>	<b>Axial drilling and milling head ER 40 AX UT IC</b>
	Weight [kg]: 4.550
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 65.00
	Shank type: BMT
	Tool adaption: ER 40 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 5000
	Rotating direction: same
	Coolant: IC/Ext
	Pressure max [bar]: 25
	Please note: Combi bearing
<b>8 010 67 128</b>	<b>Axial drilling and milling head ER 40 AX UT</b>
	Weight [kg]: 4.620
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 65.00
	Shank type: BMT
	Tool adaption: ER 40 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 12000
	Rotating direction: same
	Coolant: EXT
	Pressure max [bar]: 140
<b>8 011 64 003</b>	<b>Axial milling head universal arbor 3/4"</b>
	Weight [kg]: 3.800
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 65.00
	Shank type: BMT
	Tool adaption: Universal arbor 3/4" (19,05mm)
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: EXT
	Please note: Taper roller bearings
<b>8 011 64 004</b>	<b>Axial milling head universal arbor 16</b>
	Weight [kg]: 4.110
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 65.00
	Shank type: BMT
	Tool adaption: Universal arbor 16
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 5000
	Rotating direction: same
	Coolant: EXT
	Please note: Combi bearing

Part-#	Name		
	<b>8 011 64 006</b>	<b>Axial milling head universal arbor 3/4"</b>	
		Weight [kg]:	4.060
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	65.00
		Shank type:	BMT
		Tool adaption:	Universal arbor 3/4" (19,05mm)
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	6000
		Rotating direction:	same
		Coolant:	EXT
	Please note:	Combi bearing; without cutter retaining screw	
	<b>8 011 65 013</b>	<b>Axial milling head universal arbor 22</b>	
		Weight [kg]:	4.210
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	65.00
		Shank type:	BMT
		Tool adaption:	Universal arbor 22
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	5000
		Rotating direction:	same
		Coolant:	EXT
	Please note:	Combi bearing	
	<b>8 011 66 004</b>	<b>Axial milling head universal arbor 27</b>	
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	65.00
		Shank type:	BMT
		Tool adaption:	Universal arbor 27
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	6000
		Rotating direction:	same
		Coolant:	EXT
		Please note:	Taper roller bearings
	<b>8 011 66 009</b>	<b>Axial milling head universal arbor 27</b>	
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	65.00
		Shank type:	BMT
		Tool adaption:	Universal arbor 27
		Gear ratio [i]:	1:1
		Torque max [Nm]:	50
		Rotation max [1/min]:	5000
		Rotating direction:	same
		Coolant:	EXT
		Please note:	Combi bearing
	<b>8 011 67 002</b>	<b>Axial milling head universal arbor 32</b>	
		Tool drive:	Flat (~DIN 1809)
		Shank size [mm]:	65.00
		Shank type:	BMT
		Tool adaption:	Universal arbor 32
		Gear ratio [i]:	1:1
	Torque max [Nm]:	50	

Part-#	Name	
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Taper roller bearings
<b>8 013 64 002</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	3.500
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	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 65 002</b>	<b>Axial drilling and milling head ER 25 AC IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A
	Gear ratio [i]:	2:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	2000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 014 65 000</b>	<b>Axial milling head universal arbor 22</b>	
	Weight [kg]:	7.900
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	2000
	Rotating direction:	same
	Coolant:	EXT
<b>8 019 65 006</b>	<b>Axial drilling and milling head ER 25 AX UT</b>	
	Weight [kg]:	6.820
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	12
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50

Part-#	Name	
	<b>8 019 65 011</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>
	Weight [kg]:	8.080
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
Offset [mm]:	50	
	<b>8 030 63 000</b>	<b>Radial drilling and milling head Weldon 8 IC</b>
Notation:	180° reversible	
Tool drive:	Flat (~DIN 1809)	
Shank size [mm]:	65.00	
Shank type:	BMT	
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]:	65	
	<b>8 030 64 014</b>	<b>Radial drilling and milling head Weldon 10 IC</b>
Notation:	180° reversible	
Tool drive:	Flat (~DIN 1809)	
Shank size [mm]:	65.00	
Shank type:	BMT	
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]:	140	
Please note:	Combi bearing	
Center distance [mm]:	65	
	<b>8 030 64 022</b>	<b>Radial drilling and milling head Weldon 12</b>
Notation:	180° reversible	
Tool drive:	Flat (~DIN 1809)	
Shank size [mm]:	65.00	
Shank type:	BMT	
Tool adaption:	Weldon (DIN 1835 b) 12	
Gear ratio [i]:	1:2	
Torque max [Nm]:	16	
Rotation max [1/min]:	12000	
Rotating direction:	same	
Coolant:	EXT	
Please note:	stronger bearing	
Center distance [mm]:	80	

Part-#	Name	
<b>8 030 65 010</b>	<b>Radial drilling and milling head ER 25</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:3
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	75
<b>8 030 65 014</b>	<b>Radial drilling and milling head ER 25</b>	
	Weight [kg]:	8.200
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 030 65 015</b>	<b>Radial drilling and milling head ER 25 IC</b>	
	Weight [kg]:	7.720
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	65
<b>8 030 65 018</b>	<b>Radial drilling and milling head ER 25 IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	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]:	70
	Please note:	High pressure version
	Center distance [mm]:	65

Part-#	Name	
	<b>8 030 65 020</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>
	Weight [kg]:	7.900
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
Center distance [mm]:	80	
	<b>8 030 65 025</b>	<b>Radial drilling and milling head ER 25 IC</b>
Weight [kg]:	8.630	
Notation:	180° reversible	
Tool drive:	Flat (~DIN 1809)	
Shank size [mm]:	65.00	
Shank type:	BMT	
Tool adaption:	ER 25	
Gear ratio [i]:	1:3	
Torque max [Nm]:	12	
Rotation max [1/min]:	12000	
Rotating direction:	same	
Coolant:	IC	
Pressure max [bar]:	140	
Please note:	stronger bearing	
Center distance [mm]:	75	
	<b>8 030 65 046</b>	<b>Radial drilling and milling head Weldon 16</b>
Weight [kg]:	8.060	
Notation:	180° reversible	
Tool drive:	Flat (~DIN 1809)	
Shank size [mm]:	65.00	
Shank type:	BMT	
Tool adaption:	Weldon (DIN 1835 b) 16	
Gear ratio [i]:	1:1	
Torque max [Nm]:	50	
Rotation max [1/min]:	6000	
Rotating direction:	opposite	
Coolant:	EXT	
Please note:	Combi bearing	
Center distance [mm]:	65	
	<b>8 030 66 001</b>	<b>Radial drilling and milling head Weldon 20 IC</b>
Weight [kg]:	8.400	
Notation:	180° reversible	
Tool drive:	Flat (~DIN 1809)	
Shank size [mm]:	65.00	
Shank type:	BMT	
Tool adaption:	Weldon (DIN 1835 b) 20	
Gear ratio [i]:	1:1	
Torque max [Nm]:	50	
Rotation max [1/min]:	6000	
Rotating direction:	opposite	

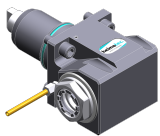
Part-#	Name
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Coolant: IC/Ext  
 Pressure max [bar]: 25  
 Please note: stronger bearing  
 Center distance [mm]: 65

**8 030 66 004 Radial drilling and milling head Weldon 20 IC**

Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: Weldon (DIN 1835 b) 20  
 Gear ratio [i]: 1,625:1  
 Torque max [Nm]: 63  
 Rotation max [1/min]: 6000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 25  
 Please note: stronger bearing  
 Center distance [mm]: 65

**8 030 66 078 Angle-mill- and drill holder ER 32 AX UT**



Weight [kg]: 8.340  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 6000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: Combi bearing  
 Center distance [mm]: 65

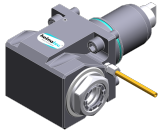
**8 030 66 090 Angle-mill- and drill holder ER 32 AX UT IC**



Weight [kg]: 8.240  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 6000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Please note: Combi bearing  
 Center distance [mm]: 65

Part-#	Name
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8 030 66 103



**Radial drilling and milling head ER 32 AX UT**

Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 2:1  
 Torque max [Nm]: 63  
 Rotation max [1/min]: 3000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: Combi bearing  
 Center distance [mm]: 65

8 030 66 127



**Radial drilling and milling head ER 32 AX UT IC**

Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 2:1  
 Torque max [Nm]: 63  
 Rotation max [1/min]: 3000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Please note: Combi bearing  
 Center distance [mm]: 65

8 030 66 257



**Radial drilling and milling head ER 32 AX UT IC**

Weight [kg]: 7.800  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 12000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Center distance [mm]: 65

8 030 66 259



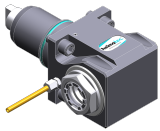
**Radial drilling and milling head ER 32 AX UT IC**

Weight [kg]: 11.100  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 6000  
 Rotating direction: opposite  
 Coolant: IC/Ext

Part-#	Name
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Pressure max [bar]: 140  
Please note: Combi bearing  
Center distance [mm]: 100

**8 030 66 263 Radial drilling and milling head ER 32 AX UT**



Weight [kg]: 7.600  
Notation: 180° reversible  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 32 A - u-tec  
Gear ratio [i]: 1:1  
Torque max [Nm]: 50  
Rotation max [1/min]: 12000  
Rotating direction: opposite  
Coolant: EXT  
Center distance [mm]: 65

**8 030 67 003 Radial drilling and milling head Weldon 25 IC**

Weight [kg]: 8.720  
Notation: 180° reversible  
Version: Special  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: Weldon (DIN 1835 b) 25 special  
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]: 65

**8 030 67 007 Radial drilling and milling head ER 40**

Weight [kg]: 7.300  
Notation: 180° reversible  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 40  
Gear ratio [i]: 1,625:1  
Torque max [Nm]: 63  
Rotation max [1/min]: 4000  
Rotating direction: opposite  
Coolant: EXT  
Center distance [mm]: 65

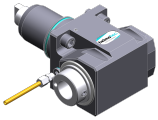
**8 030 67 008 Radial drilling and milling head ER 40**

Weight [kg]: 7.260  
Notation: 180° reversible  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 40  
Gear ratio [i]: 1:1

Part-#	Name	
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	65
<b>8 030 67 027</b>	<b>Radial drilling and milling head Weldon 25 IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 25
	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]:	65
<b>8 030 67 028</b>	<b>Radial drilling and milling head HT 5 IC</b>	
	Weight [kg]:	9.200
	Notation:	180° reversible
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	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]:	25
	Center distance [mm]:	91
<b>8 030 67 037</b>	<b>Radial drilling and milling head Weldon 25 IC</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 25
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Center distance [mm]:	65

Part-#	Name
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**8 030 67 088**



**Radial drilling and milling head HT 5 IC**

Weight [kg]:	8.420
Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
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:	Combi bearing
Center distance [mm]:	65

**8 030 67 120**

**Radial drilling and milling head Weldon 25**

Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	Weldon (DIN 1835 b) 25
Gear ratio [i]:	2:1
Torque max [Nm]:	63
Rotation max [1/min]:	3000
Rotating direction:	opposite
Coolant:	EXT
Please note:	Combi bearing
Center distance [mm]:	65

**8 030 67 140**



**Radial drilling and milling head ER 40 AX UT**

Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 40 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	50
Rotation max [1/min]:	12000
Rotating direction:	opposite
Coolant:	EXT
Pressure max [bar]:	140
Please note:	stronger bearing
Center distance [mm]:	65

**8 030 67 156**



**Radial drilling and milling head ER 40 AX UT IC**

Notation:	180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 40 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

Part-#	Name	
	Please note:	stronger bearing
	Center distance [mm]:	65
<b>8 037 64 004</b>	<b>Radial disk mill head arbor 16</b>	
	Weight [kg]:	12.840
	Notation:	180° reversible
	Version:	± 10° turnable
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Arbor 16
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	no
	Please note:	strong version; stronger bearing
	Center distance [mm]:	87,5
<b>8 037 65 000</b>	<b>Woodruff keycutter ER 25 AS</b>	
	Weight [kg]:	7.800
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A
	Gear ratio [i]:	1,333:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	2250
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 037 65 002</b>	<b>Radial disk mill head arbor 22</b>	
	Weight [kg]:	13.420
	Notation:	180° reversible
	Version:	± 10° turnable
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	no
	Please note:	strong version with stronger bearing
	Center distance [mm]:	87,5
<b>8 037 66 000</b>	<b>Radial disk mill head arbor 27</b>	
	Weight [kg]:	13.260
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Arbor 27
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	no

Part-#	Name
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Please note: strong version; stronger bearing  
Center distance [mm]: 87,5

**8 039 64 001 Radial drilling and milling head ER 16**

Weight [kg]: 7.800  
Notation: 60° angle  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 16  
Gear ratio [i]: 1:1  
Torque max [Nm]: 16  
Rotation max [1/min]: 6000  
Rotating direction: opposite  
Coolant: EXT

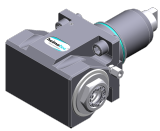
**8 039 64 002 Radial drilling and milling head ER 16**

Weight [kg]: 7.620  
Notation: 30° angle  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 16  
Gear ratio [i]: 1:1  
Torque max [Nm]: 16  
Rotation max [1/min]: 6000  
Rotating direction: opposite  
Coolant: EXT

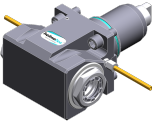
**8 039 64 003 Radial drilling and milling head ER 16**

Weight [kg]: 7.520  
Notation: 45° angle  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 16  
Gear ratio [i]: 1:1  
Torque max [Nm]: 16  
Rotation max [1/min]: 6000  
Rotating direction: opposite  
Coolant: EXT

**8 039 65 014 Radial drilling and milling head ER 25 AX UT**



Weight [kg]: 8.760  
Notation: 180° reversible  
Employment for: Main- and sub spindle  
Version: double spindle  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 25 A - u-tec  
Gear ratio [i]: 1:1  
Torque max [Nm]: 50  
Rotation max [1/min]: 12000  
Rotating direction: same/opposite  
Coolant: EXT  
Please note: stronger bearing

Part-#	Name	
	Center distance [mm]:	65
<b>8 039 66 004</b>	<b>Radial milling head universal arbor 27</b>	
	Weight [kg]:	9.480
	Notation:	100° angle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 27
	Gear ratio [i]:	1,438:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
<b>8 039 66 028</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	8.600
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	65
<b>8 040 64 000</b>	<b>Universal head ± 90° adjustable ER 16</b>	
	Weight [kg]:	4.800
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	64
<b>8 043 64 003</b>	<b>Universal head +100°/-20° adj. ER16 AX UT</b>	
	Weight [kg]:	8.910
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite

Part-#	Name
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Coolant: EXT  
Center distance [mm]: 60  
Offset [mm]: 35

**8 043 64 007 Universal head +145°/-25° adj. ER16AX UTIK**



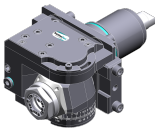

Weight [kg]: 8.680  
Notation: offset; 180° reversible  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 16 A - u-tec  
Gear ratio [i]: 1:1  
Torque max [Nm]: 25  
Rotation max [1/min]: 6000  
Rotating direction: same  
Coolant: IC/Ext  
Pressure max [bar]: 140  
Center distance [mm]: 60  
Offset [mm]: 60

**8 043 64 012 Universal head +100°/-20° adj. ER16AX UTIK**


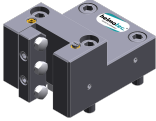

Weight [kg]: 8.960  
Notation: offset; 180° reversible  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 16 A - u-tec  
Gear ratio [i]: 1:2  
Torque max [Nm]: 12  
Rotation max [1/min]: 12000  
Rotating direction: opposite  
Coolant: IC/Ext  
Pressure max [bar]: 25  
Center distance [mm]: 60  
Offset [mm]: 35


**8 043 64 026 Universal head +100°/-20° adj. ER16AX UTIK**

Weight [kg]: 8.920  
Notation: offset; 180° reversible  
Tool drive: Flat (~DIN 1809)  
Shank size [mm]: 65.00  
Shank type: BMT  
Tool adaption: ER 16 A - u-tec  
Gear ratio [i]: 1:1  
Torque max [Nm]: 25  
Rotation max [1/min]: 6000  
Rotating direction: opposite  
Coolant: IC/Ext  
Pressure max [bar]: 25  
Center distance [mm]: 60  
Offset [mm]: 35

Part-#	Name	
	<b>8 043 65 002</b>	<b>Universal head +100°/-20° adj. ER25 AX UT</b>
	Weight [kg]:	8.870
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60
Offset [mm]:	35	
	<b>8 043 65 011</b>	<b>Universal head +100°/-20° adj. ER25AX UTIK</b>
	Weight [kg]:	9.170
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
Center distance [mm]:	60	
Offset [mm]:	35	
	<b>8 068 64 000</b>	<b>Radial whirling unit HW 46</b>
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	65.00
	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:	EXT
	Please note:	without cutting inserts carrier; check applicability;
	Center distance [mm]:	80
		<b>8 200 03 001</b>
Weight [kg]:		0.438
Shank type:		BMT
	<b>8 202 10 002</b>	<b>Basic holder for height adjustable adapter</b>
	Shank type: Machine adaption:	BMT Centering key b 20

Part-#	Name	
<b>8 202 10 003</b>	<b>Basic holder for height adjustable adapter</b>	
	Weight [kg]:	2.840
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Coolant:	EXT
<b>8 202 10 008</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	1.200
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Interface FN 12
	Coolant:	EXT
<b>8 208 69 003</b>	<b>Test mandrel BMT 65</b>	
	Weight [kg]:	3.280
	Shank size [mm]:	65.00
	Shank type:	BMT
<b>8 209 14 000</b>	<b>Adapter for VDI 40</b>	
	Weight [kg]:	4.560
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	DIN 69880 - 40
	Coolant:	EXT
	Center distance [mm]:	35
<b>8 209 14 001</b>	<b>Adapter for VDI 40</b>	
	Weight [kg]:	5.310
	Notation:	180° reversible; offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	DIN 69880 - 40
	Coolant:	EXT
	Center distance [mm]:	80
<b>8 224 12 010</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	2.040
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key slot b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 224 12 011</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	2.040
	Employment for:	left cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT



Part-#	Name	
<b>8 224 13 008</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	1.840
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret side
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
<b>8 224 13 009</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	1.170
	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 15 000</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	4.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 224 15 008</b>	<b>Universal turning holder sq. 1"</b>	
	Weight [kg]:	4.370
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
	Coolant:	EXT
<b>8 224 15 038</b>	<b>Universal turning holder sq. 25 IC</b>	
	Weight [kg]:	4.380
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	IC/Ext
<b>8 224 15 051</b>	<b>Universal turning holder sq. 25 IC</b>	
	Weight [kg]:	4.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail


Part-#	Name	
<b>8 225 12 002</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	1.640
	Employment for:	left cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 225 12 003</b>	<b>Cut-off holder sq. 25</b>	
	Employment for:	right cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 229 16 007</b>	<b>Tool holder C 4 IC</b>	
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 4
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	75
<b>8 229 17 000</b>	<b>Tool holder C 5 IC</b>	
	Weight [kg]:	5.900
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 5
	Coolant:	IC/Ext
	Please note:	Check applicability; note tool length!
	Offset [mm]:	85
<b>8 240 15 009</b>	<b>Insert drill holder 16 IC</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Whistle-Notch (DIN 1835 E) 16
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 16 003</b>	<b>Boring bar holder Ø 20</b>	
	Weight [kg]:	5.700
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 20
	Coolant:	IC/Ext
	Center distance [mm]:	90

Part-#	Name	
<b>8 240 16 011</b>	<b>Insert drill holder 20 IC</b>	
	Weight [kg]:	7.660
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Ø 20
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 16 015</b>	<b>Tool holder hydro 20 - blank</b>	
	Weight [kg]:	4.280
	Notation:	180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Blank for hydro clamp
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 16 031</b>	<b>Collet chuck holder ER 32</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 000</b>	<b>Boring bar holder Ø 25</b>	
	Weight [kg]:	5.440
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 010</b>	<b>Boring bar holder Ø 30</b>	
	Weight [kg]:	5.960
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 30
	Coolant:	EXT
	Center distance [mm]:	57,5
<b>8 240 17 018</b>	<b>Tool holder HT 5</b>	
	Weight [kg]:	6.480
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	HT 5
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 019</b>	<b>Tool holder HT 5</b>	
	Weight [kg]:	6.080
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	HT 5
	Coolant:	IC/Ext

Part-#	Name	
	Center distance [mm]:	90
<b>8 240 17 025</b>	<b>Insert drill holder 25 IC</b>	
	Weight [kg]:	7.630
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Whistle-Notch (DIN 1835 E) 25
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 17 060</b>	<b>Collet chuck holder ER 40</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 082</b>	<b>Tool holder C 5 IC</b>	
	Weight [kg]:	6.020
	Notation:	180° reversible
	Version:	offset; right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 5
	Coolant:	IC
	Center distance [mm]:	80
<b>8 240 17 113</b>	<b>Tool holder C 5 IC</b>	
	Weight [kg]:	7.200
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 5
	Coolant:	IC
	Center distance [mm]:	80
<b>8 240 18 000</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	5.220
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 18 002</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	5.760
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90

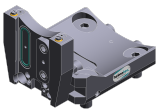
Part-#	Name	
<b>8 240 18 020</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	3.800
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	60
<b>8 240 18 022</b>	<b>Insert drill holder 32 IC</b>	
	Weight [kg]:	7.400
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Ø 32
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 18 035</b>	<b>Boring bar holder Ø 1 1/2"</b>	
	Weight [kg]:	4.910
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1 1/2" (38,1mm)
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 18 041</b>	<b>Boring bar holder Ø 1 1/4"</b>	
	Weight [kg]:	5.160
	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]:	90
<b>8 240 19 000</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	4.830
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 19 004</b>	<b>Boring bar holder Ø 50</b>	
	Weight [kg]:	7.600
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 50
	Coolant:	IC/Ext
	Center distance [mm]:	85




Part-#	Name	
<b>8 240 19 005</b>	<b>Boring bar holder Ø 40 offset</b>	
	Weight [kg]:	7.920
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
	Offset [mm]:	60
<b>8 240 19 006</b>	<b>Boring bar holder Ø 42</b>	
	Notation:	180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 42
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 19 017</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	3.540
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	60
<b>8 240 19 019</b>	<b>Insert drill holder 40 IC</b>	
	Weight [kg]:	7.100
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC
	Center distance [mm]:	85
<b>8 244 12 000</b>	<b>Facing holder sq. 25</b>	
	Weight [kg]:	5.460
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 249 16 011</b>	<b>Double collet chuck holder ER 32</b>	
	Weight [kg]:	5.940
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 32
		ER 32
	Coolant:	IC/Ext
	Center distance [mm]:	90

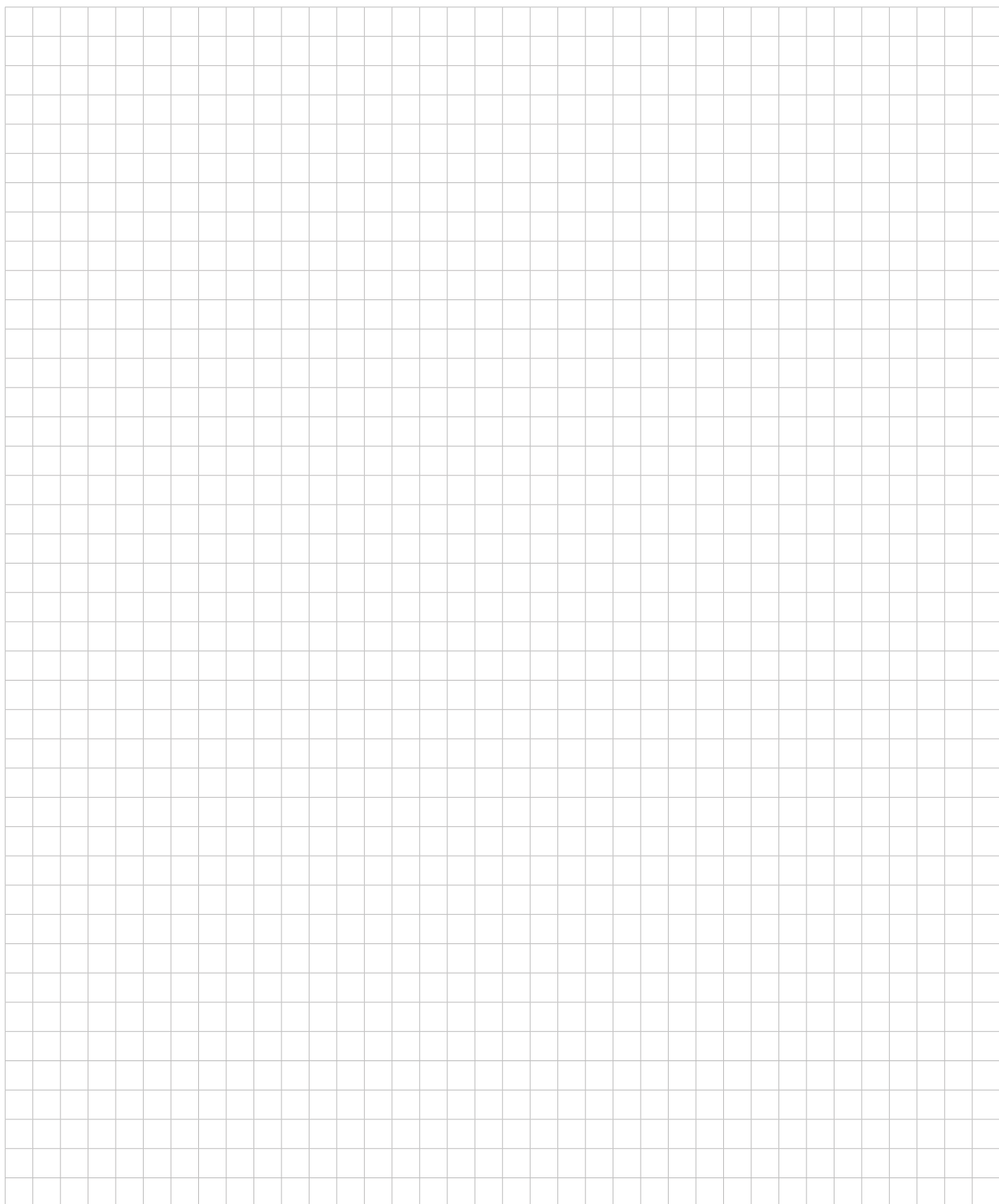
Part-#	Name	
<b>8 249 17 006</b>	<b>Double collet chuck holder ER 40</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 40
		ER 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 250 16 006</b>	<b>Double tool holder C 4 IC</b>	
	Weight [kg]:	5.500
	Employment for:	Main- and sub spindle
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 4
		heimatec Capto(TM) C 4
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Offset [mm]:	±75
<b>8 250 16 010</b>	<b>Double tool holder C 4 IC</b>	
	Weight [kg]:	2.940
	Employment for:	Main- and sub spindle
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 4
		heimatec Capto(TM) C 4
	Coolant:	IC
	Pressure max [bar]:	80
	Please note:	Check applicability; note tool length!
	Offset [mm]:	±24
<b>8 251 12 000</b>	<b>Double turning holder sq. 25</b>	
	Weight [kg]:	6.920
	Employment for:	right cutting tools
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 251 15 000</b>	<b>Combi double turning holder sq. 25</b>	
	Weight [kg]:	6.800
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
		Sq. 25
		Sq. 25
	Coolant:	EXT

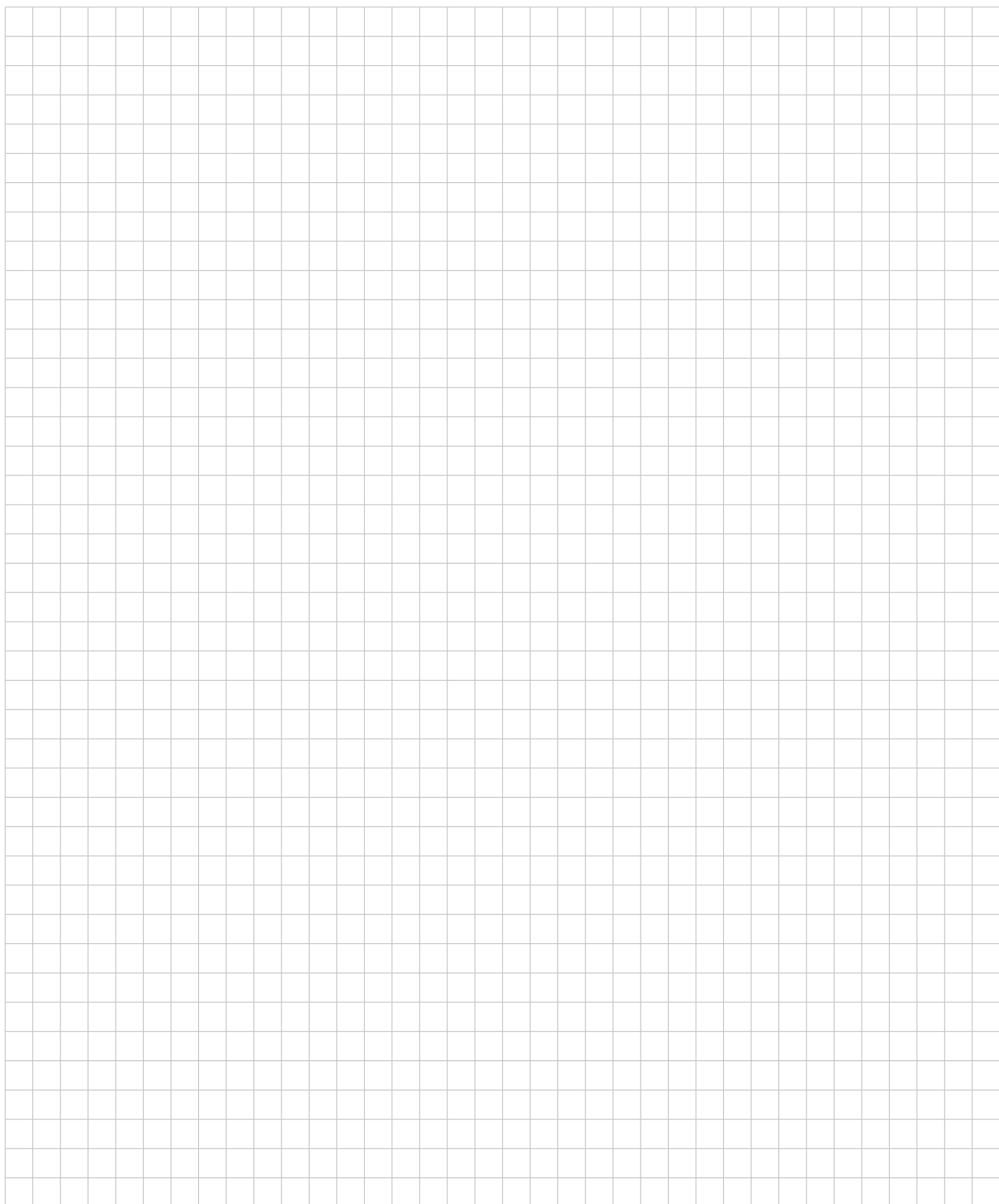
Part-#	Name	
<b>8 251 15 007</b>	<b>Combi double turning holder sq. 1"</b>	
	Weight [kg]:	6.780
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
	Coolant:	EXT
<b>8 253 15 016</b>	<b>Double boring bar holder Ø 16</b>	
	Weight [kg]:	5.440
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 16
		Ø 16
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100
<b>8 253 16 000</b>	<b>Double tool holder HT 4</b>	
	Weight [kg]:	6.620
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	HT 4
	Coolant:	IC/Ext
	Please note:	Holder 180° reversible
	Center distance [mm]:	57,5/100
<b>8 253 16 035</b>	<b>Double boring bar holder Ø 20</b>	
	Weight [kg]:	5.280
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 20
		Ø 20
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100
<b>8 253 17 007</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	4.980
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
		Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	57,5/100
<b>8 253 17 041</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	5.560
	Notation:	180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25

Part-#	Name	
	Coolant:	Ø 25
	Center distance [mm]:	IC/Ext 65/110
<b>8 253 17 050</b>	<b>Double boring bar holder Ø 1"</b>	
	Weight [kg]:	4.940
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1" (25,4mm) Ø 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	57,5/100
<b>8 253 17 089</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	4.980
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25 Ø 25
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100
<b>8 253 18 018</b>	<b>Double boring bar holder Ø 32</b>	
	Weight [kg]:	8.420
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32 Ø 32
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100
<b>8 261 18 002</b>	<b>Tool holder for centering insert</b>	
	Weight [kg]:	6.110
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	EXT
	Please note:	Price without centering point
	Center distance [mm]:	57,5
<b>8 263 19 010</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.160
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90

Part-#	Name	
<b>8 263 19 031</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.280
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90
<b>8 269 19 001</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.510
	Notation:	180° reversible
	Version:	Special; double spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90
<b>8 269 19 002</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.380
	Notation:	180° reversible
	Version:	Special; double spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90
<b>8 320 13 004</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	1.830
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
<b>8 320 13 016</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	2.050
	Notation:	180° reversible
	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

Part-#	Name	
<b>8 320 13 017</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	1.960
	Notation:	180° reversible
	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
<b>8 320 19 002</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Weight [kg]:	1.740
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70
<b>8 320 19 017</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70
	Please note:	Clampshaft internal





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