

Tsugami  
**M06-M08**  
**D/SD/SY - BMT**  
**65**



# 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


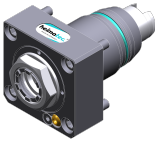
Tool systems for gear production

Digital tool management

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Part-#	Name	
<b>8 010 66 111</b>	<b>Axial drilling and milling head ER 32 AS UT</b>	
	Weight [kg]:	4.190
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	70
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 66 112</b>	<b>Axial milling drill holder ER 32 AS UT IC</b>	
	Weight [kg]:	4.290
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	70
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 010 66 142</b>	<b>Axial drilling and milling head ER 32 AS UT IC</b>	
	Weight [kg]:	4.270
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	70
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 010 66 260</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	4.400
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	70
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT

Part-#	Name
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8 010 66 261



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

Tool drive:	Key slot
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 32 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	70
Rotation max [1/min]:	12000
Rotating direction:	same
Coolant:	IC/Ext
Pressure max [bar]:	100
Please note:	Trockenauf possible

8 019 66 051

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

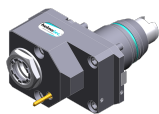
Weight [kg]:	7.100
Notation:	offset; 180° reversible
Employment for:	Main spindle
Tool drive:	Key slot
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 32 A - u-tec
Gear ratio [i]:	1:1
Torque max [Nm]:	50
Rotation max [1/min]:	6000
Rotating direction:	opposite
Coolant:	EXT
Please note:	stronger bearing
Offset [mm]:	50

8 019 66 052

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

Weight [kg]:	8.450
Notation:	offset; 180° reversible
Employment for:	Main spindle
Tool drive:	Key slot
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:	stronger bearing
Offset [mm]:	50

8 019 66 069



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

Weight [kg]:	7.100
Notation:	offset; 180° reversible
Employment for:	Main spindle
Tool drive:	Key slot
Shank size [mm]:	65.00
Shank type:	BMT
Tool adaption:	ER 32 A - u-tec
Gear ratio [i]:	1:3
Torque max [Nm]:	12
Rotation max [1/min]:	18000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 66 071</b>	<b>Axial drilling and milling head ER 32 AS UT</b>	
	Notation:	offset; 180° reversible
	Employment for:	Main spindle
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 66 072</b>	<b>Axial drilling and milling head ER 32 AS UT IC</b>	
	Notation:	offset; 180° reversible
	Employment for:	Main spindle
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 030 66 178</b>	<b>Radial drilling and milling head ER 32 AS UT</b>	
	Weight [kg]:	8.000
	Employment for:	Main spindle
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	70
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	65
<b>8 030 66 179</b>	<b>Radial drilling and milling head ER 32 AS UT IC</b>	
	Weight [kg]:	8.390
	Employment for:	Main spindle
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec

Part-#	Name
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Gear ratio [i]: 1:1  
 Torque max [Nm]: 70  
 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 66 183 Angle-mill- and drill holder ER 32 AS UT**



Weight [kg]: 9.600  
 Notation: 180° reversible  
 Employment for: Main- and sub spindle  
 Tool drive: Key slot  
 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  
 Please note: Combi bearing  
 Center distance [mm]: 85

**8 030 66 184 Angle-mill- and drill holder ER 32 AS UT IC**



Weight [kg]: 9.960  
 Notation: 180° reversible  
 Employment for: Main- and sub spindle  
 Tool drive: Key slot  
 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]: 140  
 Please note: Combi bearing  
 Center distance [mm]: 85


**8 030 66 241 Radial drilling and milling head ER 32 AX UT IC**



Notation: 180° reversible  
 Employment for: Main- and sub spindle  
 Tool drive: Key slot  
 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  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Center distance [mm]: 85

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## M06-M08 D/SD/SY - BMT 65



Part-#	Name	
	<b>8 030 66 254</b>	<b>Radial drilling and milling head ER 32 AX UT</b>
	Weight [kg]:	9.560
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Tool drive:	Key slot
	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
	Coolant:	EXT
	Center distance [mm]:	85
	<b>8 033 66 011</b>	<b>Radial drilling and milling head ER 32 AS UT</b>
	Weight [kg]:	11.000
	Notation:	offset
	Employment for:	Sub spindle
	Tool drive:	Key slot
	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
	Please note:	Combi bearing
Center distance [mm]:	85	
	<b>8 033 66 012</b>	<b>Radial drilling and milling head ER 32 AS UT IC</b>
	Notation:	offset
	Employment for:	Sub spindle
	Tool drive:	Key slot
	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]:	140
	Please note:	Combi bearing
Center distance [mm]:	85	
	<b>8 037 62 003</b>	<b>Radial disk mill head arbor 10</b>
	Weight [kg]:	7.880
	Notation:	180° reversible
	Version:	360° turnable, useable 0°-59° and 72°-90°
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Arbor 10
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
Rotation max [1/min]:	4000	

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## M06-M08 D/SD/SY - BMT 65

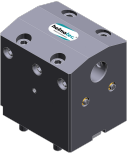
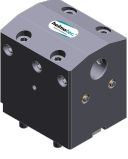
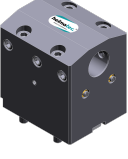

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	note useable swivel range!
	Center distance [mm]:	89
<b>8 037 62 004</b>	<b>Radial disk mill head arbor 10</b>	
	Notation:	180° reversible
	Version:	360° turnable, useable 0°-59° and 72°-90°
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Arbor 10
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	note useable swivel range! arbor with
	Center distance [mm]:	89
<b>8 037 65 038</b>	<b>Radial disk mill head arbor 22</b>	
	Weight [kg]:	8.100
	Notation:	180° reversible
	Version:	360° turnable, useable 0°-59° and 72°-90°
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	Arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	note useable swivel range!
	Center distance [mm]:	89
<b>8 039 66 046</b>	<b>Radial drilling and milling head ER 32 AS UT</b>	
	Weight [kg]:	11.770
	Notation:	offset
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Key slot
	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/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	85



Part-#	Name	
<b>8 039 66 047</b>	<b>Radial drilling and milling head ER 32 AS UT</b>	
	Weight [kg]:	9.950
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Key slot
	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/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	85
<b>8 040 64 023</b>	<b>Universal head ± 90° adjustable ER 20 AX UT</b>	
	Weight [kg]:	5.740
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	10000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	60
<b>8 040 64 024</b>	<b>Universal head ± 90° adjustable ER 20 AX UT IC</b>	
	Weight [kg]:	5.580
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	10000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	60
<b>8 043 64 027</b>	<b>Universal head +160°/-20° adj. ER16 AX UT</b>	
	Weight [kg]:	8.210
	Notation:	offset; 180° reversible
	Tool drive:	Key slot
	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:	EXT
	Please note:	Check applicability
	Center distance [mm]:	40

Part-#	Name	
	Offset [mm]:	65
<b>8 043 65 018</b>	<b>Universal head +100°/-20° adj. ER25 AX UT</b>	
	Weight [kg]:	9.070
	Notation:	offset; 180° reversible
	Tool drive:	Key slot
	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>8 053 65 009</b>	<b>Multispindle radial head ER 25 AX UT</b>	
	Weight [kg]:	12.440
	Employment for:	Main spindle
	Version:	2-spindles
	Tool drive:	Key slot
	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:	same
	Coolant:	EXT
	Center distance [mm]:	85
<b>8 053 65 029</b>	<b>Multispindle radial head ER 25 AX UT</b>	
	Notation:	180° reversible
	Employment for:	Main spindle
	Version:	2-spindles; Y-veretzt
	Tool drive:	Key slot
	Shank size [mm]:	65.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	100
<b>8 202 10 013</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	1.390
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Interface FN 12
	Coolant:	EXT


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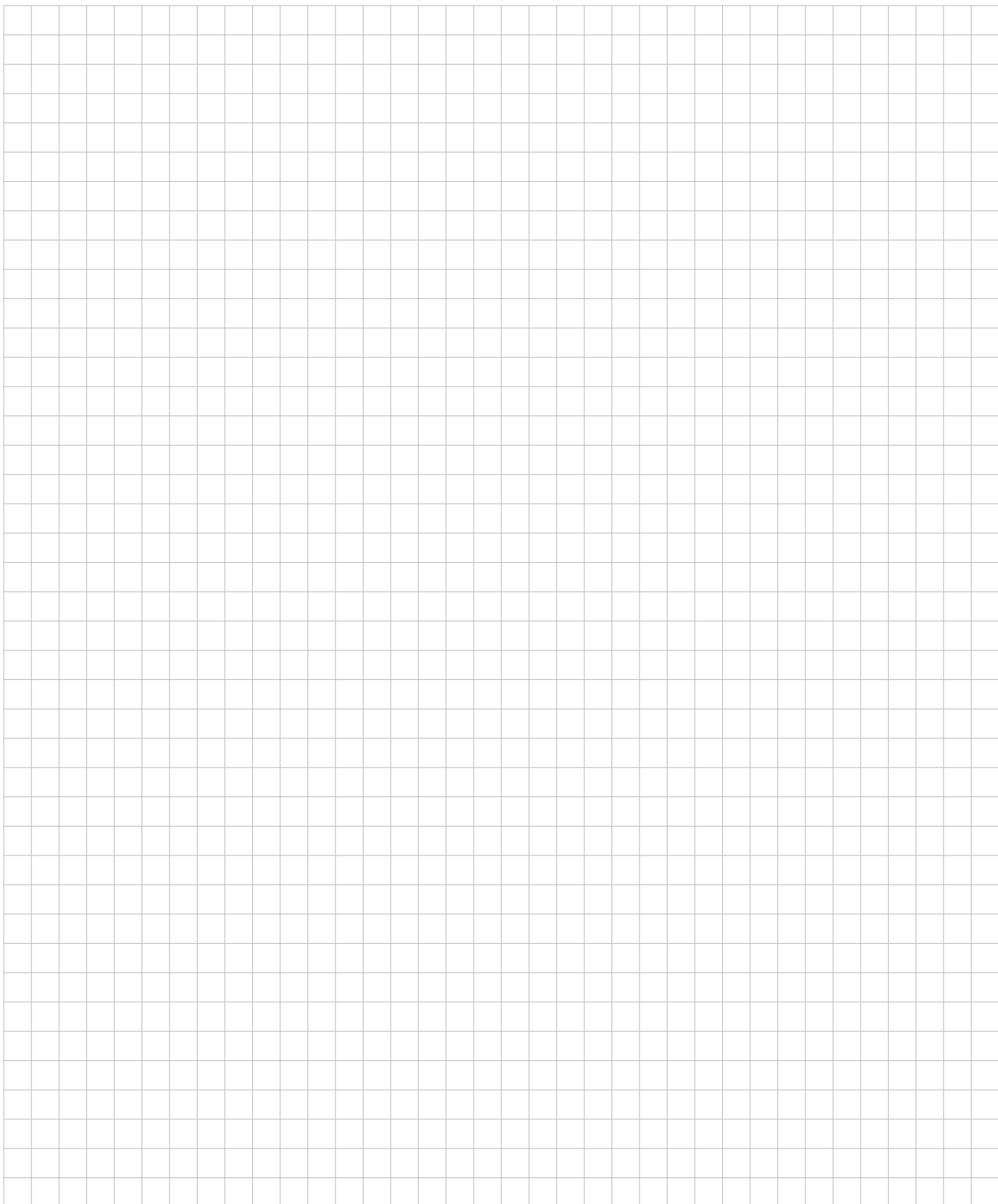
## M06-M08 D/SD/SY - BMT 65

Part-#	Name	
<b>8 224 15 032</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	3.840
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 240 17 073</b>	<b>Boring bar holder Ø 25</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 074</b>	<b>Boring bar holder Ø 1"</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 075</b>	<b>Boring bar holder Ø 1 1/4"</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	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 18 066</b>	<b>Boring bar holder Ø 32</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 18 067</b>	<b>Boring bar holder Ø 1 1/2"</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1 1/2" (38,1mm)
	Coolant:	IC/Ext
	Center distance [mm]:	90

Part-#	Name	
<b>8 240 19 085</b>	<b>Boring bar holder Ø 40</b>	
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 244 15 014</b>	<b>Combi facing holder sq. 25</b>	
	Weight [kg]:	6.850
	Shank type:	BMT
	Machine adaption:	Centering key slot b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 251 15 024</b>	<b>Combi double turning holder sq. 25</b>	
	Weight [kg]:	6.560
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
		Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 253 19 004</b>	<b>Double boring bar holder Ø 40</b>	
	Weight [kg]:	6.860
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Center distance [mm]:	54/101
<b>8 320 13 030</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	2.010
	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 19 030</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

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Part-#	Name
<b>8 320 19 031</b>	<b>Cut-off holder, height adjustable 845 IC</b>
	Weight [kg]: 2.100
	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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