

Mazak  
**QTU 100**  
**M/MY/MS/MSY -**  
**BMT 68**



# 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.

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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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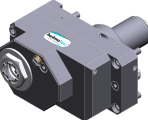
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## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
<b>8 010 66 074</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	3.480
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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
<b>8 010 66 075</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	3.720
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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]:	25
	Please note:	Combi bearing
<b>8 010 66 086</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	3.660
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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
<b>8 010 67 076</b>	<b>Axial drilling and milling head HT 5</b>	
	Weight [kg]:	3.670
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing

## QTU 100 M/MY/MS/MSY - BMT 68



Part-#	Name	
<b>8 010 67 077</b>	<b>Axial drilling and milling head HT 5 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	HT 5
	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>8 013 64 010</b>	<b>Axial drilling and milling head ER 16 AX UT</b>	
	Weight [kg]:	3.370
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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>8 019 65 018</b>	<b>Axial drilling and milling head ER 25 AX UT IC</b>	
	Weight [kg]:	8.450
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	40
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
<b>8 019 66 020</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	6.820
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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

## QTU 100 M/MY/MS/MSY - BMT 68



Part-#	Name
<b>8 019 66 021</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>
	Weight [kg]: 8.340
	Notation: offset
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 68.00
	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
<b>8 030 65 053</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>
	Weight [kg]: 7.200
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 68.00
	Shank type: BMT
	Tool adaption: ER 25 A - u-tec
	Gear ratio [i]: 1:3
	Torque max [Nm]: 12
	Rotation max [1/min]: 18000
	Rotating direction: same
	Coolant: IC/Ext
	Pressure max [bar]: 140
	Please note: stronger bearing
	Center distance [mm]: 80
<b>8 030 65 082</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>
	Weight [kg]: 6.900
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 68.00
	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 66 093</b>	<b>Radial drilling and milling head ER 32 AX UT</b>
	Weight [kg]: 8.520
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 68.00
	Shank type: BMT
	Tool adaption: ER 32 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 8000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 80



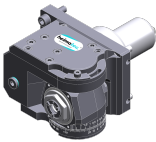
## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name
<b>8 030 66 094</b> 	<b>Radial drilling and milling head ER 32 AX UT IC</b> Tool drive: Flat (~DIN 1809) Shank size [mm]: 68.00 Shank type: BMT Tool adaption: ER 32 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 8000 Rotating direction: opposite Coolant: IC/Ext Pressure max [bar]: 140 Center distance [mm]: 80
	<b>8 030 67 097</b> <b>Radial drilling and milling head HT 5 IC</b> Tool drive: Flat (~DIN 1809) Shank size [mm]: 68.00 Shank type: BMT Tool adaption: HT 5 Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 5000 Rotating direction: opposite Coolant: IC/Ext Pressure max [bar]: 140 Please note: Combi bearing Center distance [mm]: 80
<b>8 031 66 028</b> 	<b>Radial polygon head arbor 27</b> Weight [kg]: 8.930 Tool drive: Flat (~DIN 1809) Shank size [mm]: 68.00 Shank type: BMT Tool adaption: Polygon arbor 27 Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 5000 Rotating direction: opposite Coolant: EXT Please note: Combi bearing Center distance [mm]: 80
	<b>8 033 66 016</b> <b>Radial drilling and milling head ER 32 AX UT</b> Notation: offset Employment for: Sub spindle Tool drive: Flat (~DIN 1809) Shank size [mm]: 68.00 Shank type: BMT Tool adaption: ER 32 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 10000 Rotating direction: same Coolant: EXT Please note: stronger bearing Center distance [mm]: 80 Offset [mm]: 50

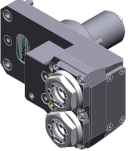
## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
<b>8 033 66 017</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	10.140
	Notation:	offset
	Employment for:	Sub spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	10000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	80
	Offset [mm]:	50
<b>8 037 62 000</b>	<b>Radial disk mill head arbor 10</b>	
	Weight [kg]:	6.210
	Version:	360° turnable
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Arbor 10
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	92
<b>8 037 65 016</b>	<b>Radial disk mill head arbor 22</b>	
	Weight [kg]:	6.400
	Version:	360° turnable; at 0° position can be pinned
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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
	Center distance [mm]:	92
<b>8 039 66 053</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	9.980
	Notation:	offset
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50


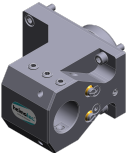
## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
	Rotation max [1/min]:	10000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	80
<b>8 040 64 014</b>	<b>Universal head ± 90° adjustable ER 16 AX UT</b>	
	Weight [kg]:	5.700
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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:	EXT
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	80
<b>8 043 64 005</b>	<b>Universal head +110°/-20° adj. ER16AX UTIK</b>	
	Weight [kg]:	8.040
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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]:	65
	Offset [mm]:	35
<b>8 043 65 013</b>	<b>Universal head +110°/-20° adj. ER25 AX UT</b>	
	Weight [kg]:	8.180
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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]:	65
	Offset [mm]:	35


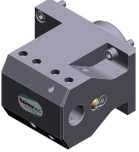
## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
<b>8 043 65 020</b>	<b>Universal head +110°/-20° adj. ER25AX UTIK</b>	
	Weight [kg]:	8.250
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	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]:	65
	Offset [mm]:	35
<b>8 050 64 014</b>	<b>Multispindle drilling head ER 16 AX UT</b>	
	Weight [kg]:	4.750
	Notation:	offset
	Version:	special, 2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10/Sp.
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
<b>8 050 65 031</b>	<b>Multispindle drilling head ER 25 AX UT</b>	
	Weight [kg]:	6.540
	Notation:	offset
	Employment for:	Main spindle
	Version:	2-spindles; Y-veretzt
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25/Sp.
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	77
<b>8 200 64 000</b>	<b>Cover plate 86,0x143,0x 10,0</b>	
	Weight [kg]:	1.480
	Shank size [mm]:	68.00
	Shank type:	BMT

## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
<b>8 202 60 000</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	3.130
	Shank size [mm]:	68.00
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	32
<b>8 214 63 000</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	3.920
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret side
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
<b>8 214 65 002</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	5.000
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 230 67 002</b>	<b>Tool holder HT 5</b>	
	Weight [kg]:	6.220
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	HT 5
	Coolant:	IC/Ext
	Center distance [mm]:	87
<b>8 230 68 001</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	6.530
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 230 69 002</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	6.780
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	95
<b>8 230 69 004</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	6.350
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	87




## QTU 100 M/MY/MS/MSY - BMT 68

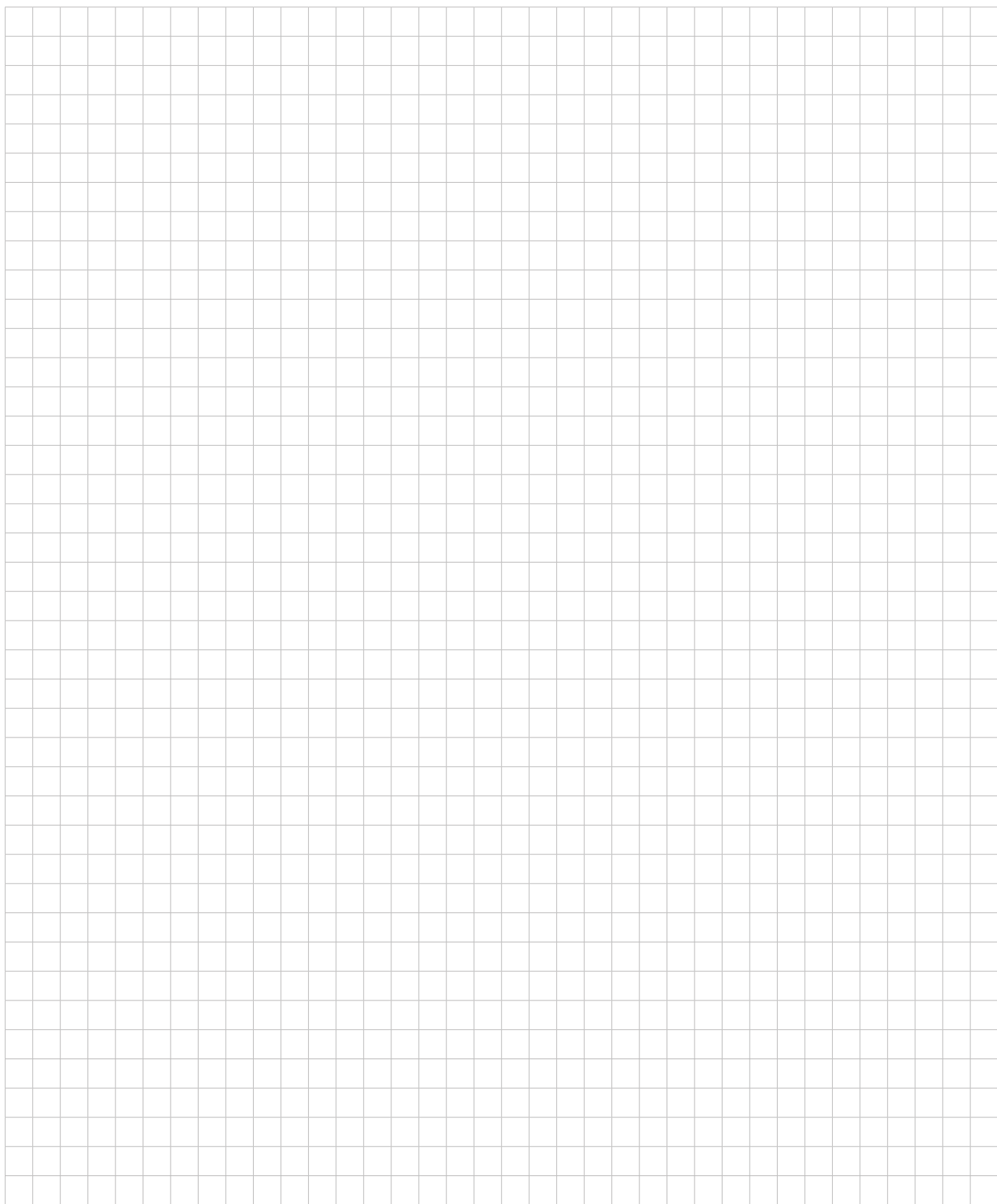
Part-#	Name		
	<b>8 234 65 001</b>	<b>Combi facing holder sq. 25</b>	
		Weight [kg]:	8.230
		Shank size [mm]:	68.00
		Shank type:	BMT
		Tool adaption:	Sq. 25 Sq. 25
		Coolant:	EXT
		Center distance [mm]:	73
	<b>8 234 65 004</b>	<b>Combi facing holder sq. 25</b>	
		Weight [kg]:	8.220
		Employment for:	Main- and sub spindle
		Shank size [mm]:	68.00
		Shank type:	BMT
		Tool adaption:	Sq. 25 Sq. 25
		Coolant:	EXT
	Center distance [mm]:	73	
	<b>8 239 67 000</b>	<b>Double boring bar holder Ø 25</b>	
		Weight [kg]:	8.450
		Employment for:	Main- and sub spindle
		Shank size [mm]:	68.00
		Shank type:	BMT
		Tool adaption:	Ø 25
		Coolant:	EXT
	Center distance [mm]:	100	
	<b>8 239 67 001</b>	<b>Double boring bar holder Ø 25</b>	
		Weight [kg]:	8.380
		Employment for:	Main- and sub spindle
		Shank size [mm]:	68.00
		Shank type:	BMT
		Tool adaption:	Ø 25
		Coolant:	IC/Ext
	Center distance [mm]:	100	
	<b>8 239 67 002</b>	<b>Double boring bar holder Ø 1"</b>	
		Employment for:	Main- and sub spindle
		Shank size [mm]:	68.00
		Shank type:	BMT
		Tool adaption:	Ø 1" (25,4mm)
		Coolant:	EXT
		Center distance [mm]:	100
	<b>8 239 67 003</b>	<b>Double boring bar holder Ø 1" IC</b>	
		Employment for:	Main- and sub spindle
		Shank size [mm]:	68.00
		Shank type:	BMT
		Tool adaption:	Ø 1" (25,4mm)
		Coolant:	IC/Ext
		Center distance [mm]:	100

## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
	<b>8 239 67 004</b>	<b>Double boring bar holder Ø 32</b>
	Weight [kg]:	8.200
	Employment for:	Main- and sub spindle
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 32
	Coolant:	EXT
Center distance [mm]:	95	
	<b>8 239 69 000</b>	<b>Double boring bar holder Ø 40</b>
	Weight [kg]:	7.840
	Employment for:	Main- and sub spindle
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
Center distance [mm]:	95	
	<b>8 251 65 003</b>	<b>Combi double turning holder sq. 25</b>
	Weight [kg]:	9.030
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
		Sq. 25
		Sq. 25
Coolant:	EXT	
	<b>8 253 69 000</b>	<b>Multiple boring bar holder 2 x Ø 40</b>
	Weight [kg]:	7.660
	Employment for:	Main- and sub spindle
	Version:	Y-axes offset
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 40
	Ø 40	
Coolant:	IC/Ext	
Center distance [mm]:	95	
Offset [mm]:	15/45	
	<b>8 259 65 004</b>	<b>Multiple turning holder sq. 25</b>
	Weight [kg]:	7.230
	Employment for:	Main spindle
	Version:	Y-axes offset
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
	Sq. 25	
Coolant:	EXT	

## QTU 100 M/MY/MS/MSY - BMT 68

Part-#	Name	
<b>8 259 65 006</b>	<b>Multiple turning holder sq. 25</b>	
	Weight [kg]:	11.480
	Employment for:	Main- and sub spindle
	Version:	Y-axes offset
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
		Sq. 25
		Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 259 68 000</b>	<b>Multiple-double boring bar holder Ø 32</b>	
	Weight [kg]:	9.520
	Employment for:	Main- and sub spindle
	Version:	Y-axes offset
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 32
		Ø 32
		Ø 32
		Ø 32
	Coolant:	IC/Ext
	Please note:	Check applicability!
	Center distance [mm]:	95
	Offset [mm]:	15/45
<b>8 320 63 001</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	3.740
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
<b>8 320 69 000</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70



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