

Mazak
QT SMART 100
MS



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


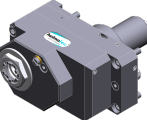
Digital tool management

This catalogue, including all its parts, is protected by copyright. Any use outside the restricted limitations of the Copyright Act without the consent of heimatec is inadmissible and liable to prosecution. This applies in particular to duplication, translation, microfilming and storage and processing in electronic systems.

heimatec GmbH reserves the right to make technical changes at any time without giving prior notice. This applies in particular to adjustments at any time to meet new or changed international standards, or in case of further developments of our products or manufacturing processes.





The current version of our General Terms and Conditions can be found on our website.

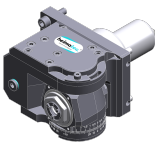
Part-#	Name	
8 010 66 074	Axial drilling and milling head ER 32 AX UT	
	Weight [kg]:	3.480
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
8 010 66 075	Axial drilling and milling head ER 32 AX UT IC	
	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
8 010 66 086	Axial drilling and milling head ER 32 AX UT IC	
	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
8 010 67 076	Axial drilling and milling head HT 5	
	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


Part-#	Name	
8 010 67 077	Axial drilling and milling head HT 5 IC	
	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
8 013 64 010	Axial drilling and milling head ER 16 AX UT	
	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
8 019 65 018	Axial drilling and milling head ER 25 AX UT IC	
	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
8 019 66 020	Axial drilling and milling head ER 32 AX UT	
	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

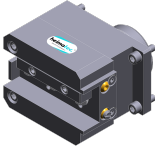

Part-#	Name
8 019 66 021	Axial drilling and milling head ER 32 AX UT IC
	Weight [kg]: 8.340
	Notation: offset
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 68.00
	Shank type: BMT
	Tool adaption: ER 32 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: IC/Ext
	Pressure max [bar]: 140
	Please note: stronger bearing
	Offset [mm]: 50
8 030 65 053	Radial drilling and milling head ER 25 AX UT IC
	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
8 030 65 082	Radial drilling and milling head ER 25 AX UT IC
	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
8 030 66 093	Radial drilling and milling head ER 32 AX UT
	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



Part-#	Name		
	8 030 66 094	Radial drilling and milling head ER 32 AX UT IC	
		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	
	8 030 67 097	Radial drilling and milling head HT 5 IC	
		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	
	8 031 66 028	Radial polygon head arbor 27	
		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	
	8 037 62 000	Radial disk mill head arbor 10	
		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	

Part-#	Name	
8 037 65 016	Radial disk mill head arbor 22	
	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
8 043 64 005	Universal head +110°/-20° adj. ER16AX UTIK	
	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
8 043 65 013	Universal head +110°/-20° adj. ER25 AX UT	
	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
8 043 65 020	Universal head +110°/-20° adj. ER25AX UTIK	
	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

Part-#	Name	
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Center distance [mm]:	65
	Offset [mm]:	35
8 050 64 014	Multispindle drilling head ER 16 AX UT	
	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
8 200 64 000	Cover plate 86,0x143,0x 10,0	
	Weight [kg]:	1.480
	Shank size [mm]:	68.00
	Shank type:	BMT
8 202 60 000	Basic holder longitudinal seat FN 12	
	Weight [kg]:	3.130
	Shank size [mm]:	68.00
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	32
8 214 63 000	Cut-off holder SH 32	
	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
8 214 65 002	Universal turning holder sq. 25	
	Weight [kg]:	5.000
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
8 230 67 002	Tool holder HT 5	
	Weight [kg]:	6.220
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	HT 5
	Coolant:	IC/Ext
	Center distance [mm]:	87

Part-#	Name	
8 230 68 001	Boring bar holder Ø 32	
	Weight [kg]:	6.530
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
8 230 69 004	Boring bar holder Ø 40	
	Weight [kg]:	6.350
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	87
8 234 65 001	Combi facing holder sq. 25	
	Weight [kg]:	8.230
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25 Sq. 25
	Coolant:	EXT
	Center distance [mm]:	73
8 251 65 003	Combi double turning holder sq. 25	
	Weight [kg]:	9.030
	Shank size [mm]:	68.00
	Shank type:	BMT
	Tool adaption:	Sq. 25 Sq. 25 Sq. 25 Sq. 25
	Coolant:	EXT
8 259 68 000	Multiple-double boring bar holder Ø 32	
	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

Mazak

QT SMART 100 M S

heimatec®

Part-#	Name
--------	------

8 320 63 001

Cut-off holder, height adjustable SH 32 IC



Weight [kg]: 3.740
Shank size [mm]: 68.00
Shank type: BMT
Tool adaption: Clampshaft SH 32
Coolant: IC/Ext
Pressure max [bar]: 70

8 320 69 000

Cut-off holder, height adjustable 845 IC



Shank size [mm]: 68.00
Shank type: BMT
Tool adaption:  System 845
Coolant: IC
Pressure max [bar]: 70

heimatec.u-tec®

heimatec.com

Products / Tool change systems /
u-tec® Tool-changing system



versions see catalog



heimatec.easy-quick

heimatec.com

Products / Tool change systems /
easy-quick HT quick-changing system



versions see catalog



heimatec.Capto™

heimatec.com

Products / Tool change systems /
heimatec.Capto™ quick-changing system



versions see catalog



heimatec.accessories

heimatec.com

Products / Accessories



versions see catalog





● heimatec overseas branches

○ global representations of heimatec

heimatec[®]

heimatec GmbH
Präzisionswerkzeuge
Carl-Benz-Str. 4
77871 Renchen
Germany

T +49 7843 9466 0
www.heimatec.com
info@heimatec.com

Please find the contact details of our worldwide trading partners on our website:
<https://heimatec.com/business-partners>