TOOL CATALOGUE

heimatec®

Mazak

Megaturn Smart 500 M

11/2026



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 subsiiary 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 77 002	**Axial drilling and milling head ER 40 AX UT**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
8 010 77 003	**Axial drilling and milling head ER 40 AX UT IC**	
	Weight [kg]:	6.630
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
8 010 77 004	**Axial drilling and milling head ER 40 AX UT**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
8 010 77 005	**Axial drilling and milling head ER 40 AX UT IC**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
8 019 71 001	**Axial drilling and milling head CHC**	
	Notation:	IC-300
	Version:	no Splash-protection
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	CHC
	Gear ratio [i]:	1:1,5

© heimatec GmbH • Subject to technical changes.
heimatec GmbH
Präzisionswerkzeuge
Carl-Benz-Str. 4
DE-77871 Renchen

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

Part-#	Name	
	Rotation max [1/min]:	18000
	Rotating direction:	same
	Coolant:	no
	Center distance [mm]:	100
	Offset [mm]:	153,9
8 030 77 002	**Radial drilling and milling head ER 40 AX UT**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	100
8 030 77 006	**Radial drilling and milling head ER 40 AX UT IC**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	100
8 030 78 008	**Radial drilling and milling head HT 6**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	HT 6
	Gear ratio [i]:	1:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	100
8 040 74 000	**Universal head ± 90° adjustable ER 16 AX UT**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	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:	Note swivel range!
	Center distance [mm]:	80

© heimatec GmbH • Subject to technical changes.
heimatec GmbH
Präzisionswerkzeuge
Carl-Benz-Str. 4
DE-77871 Renchen

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

Megaturn Smart 500 M

Part-#	Name	
8 040 74 001	**Universal head ± 90° adjustable ER 16 AX UT IC**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	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]:	140
	Please note:	Note swivel range!
	Center distance [mm]:	80
8 040 74 003	**Universal head ± 90° adjustable ER 16 AX UT IC**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	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]:	140
	Please note:	Note swivel range!
	Center distance [mm]:	80
8 040 75 001	**Universal head ± 90° adjustable ER 25 AX UT**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	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:	Note swivel range! stronger bearing
	Center distance [mm]:	80
8 040 75 002	**Universal head ± 90° adjustable ER 25 AX UT IC**	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	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]:	140
	Please note:	Note swivel range! stronger bearing
	Center distance [mm]:	80

© heimatec GmbH • Subject to technical changes.

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

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

Megaturn Smart 500 M

Part-#	Name	
8 100 17 000	**Tool holder radial ø17,1 / minus**	
	Employment for:	Angle handpiece or extension CN01
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Interface ø17,1 / M17x1
	Gear ratio [i]:	1:2
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	no
	Center distance [mm]:	100
8 200 75 000	**Cover plate 100,0x175,0x 12,0**	
	Shank size [mm]:	80.00
	Shank type:	BMT
8 202 70 000	**Basic holder longitudinal seat FN 12**	
	Weight [kg]:	4.520
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	32
8 214 75 002	**Universal turning holder sq. 25**	
	Weight [kg]:	7.300
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
8 230 79 000	**Boring bar holder Ø 50**	
	Weight [kg]:	12.020
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Ø 50
	Coolant:	IC/Ext
	Center distance [mm]:	120
8 230 79 001	**Boring bar holder Ø 2"**	
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Ø 2" (50,8mm)
	Coolant:	IC/Ext
	Center distance [mm]:	120
8 230 79 002	**Boring bar holder Ø 60**	
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Ø 60
	Coolant:	IC/Ext
	Center distance [mm]:	120

© heimatec GmbH • Subject to technical changes.

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

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

Part-#	Name	
8 230 79 003	**Boring bar holder Ø 40**	
	Weight [kg]:	12.560
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	120
8 234 75 004	**Combi facing holder sq. 25**	
	Weight [kg]:	12.270
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
	Center distance [mm]:	105
8 320 73 000	**Cut-off holder, height adjustable SH 32 IC**	
	Shank size [mm]:	80.00
	Shank type:	BMT
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70

© heimatec GmbH • Subject to technical changes.

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

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



● heimatec overseas branches

○ global representations of 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

11/2026