

SMEC
SL 1500 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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Part-# Name

8 010 55 038



Axial drilling and milling head ER 25 AX UT IC
 Weight [kg]: 3.050
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 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: Combi bearing

8 010 55 039



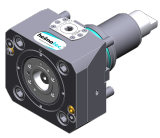
Axial drilling and milling head ER 25 AX UT
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 50
 Rotation max [1/min]: 12000
 Rotating direction: same
 Coolant: EXT
 Pressure max [bar]: 140

8 010 55 051



Axial drilling and milling head Weldon 3/4"
 Weight [kg]: 3.390
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: Weldon (DIN 1835 b) 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

8 010 55 080



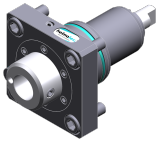
Axial drilling and milling head C 3
 Weight [kg]: 4.240
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: heimatec Capto(TM) C 3
 Gear ratio [i]: 1:1
 Torque max [Nm]: 50
 Rotation max [1/min]: 6000
 Rotating direction: same
 Coolant: EXT
 Please note: Check applicability; tool length check !

Part-#	Name	
8 010 55 120	Axial drilling and milling head ER 25 AX UT	
	Weight [kg]:	3.190
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	55.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
8 010 56 035	Axial drilling and milling head HT 4 IC	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	55.00
	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:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
8 010 56 039	Axial drilling and milling head ER 32 AX UT	
	Weight [kg]:	3.200
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	55.00
	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
8 010 56 040	Axial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	3.220
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	55.00
	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]:	25
	Please note:	Combi bearing

Part-#	Name
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8 010 56 047

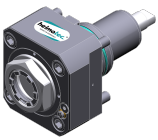
Axial drilling and milling head HT 4 IC



Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 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: IC/Ext
 Pressure max [bar]: 25
 Please note: Combi bearing

8 010 56 089

Axial drilling and milling head ER 32 AX UT IC



Weight [kg]: 3.700
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 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]: 100
 Please note: Dryrun possible

8 010 56 119

Axial drilling and milling head C 4 IC



Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: heimatec Capto(TM) C 4
 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: Check applicability; tool length check !;

8 013 54 008

Axial drilling and milling head ER 16 AX UT

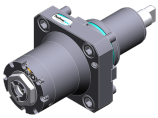


Weight [kg]: 2.480
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 16 A - u-tec
 Gear ratio [i]: 1:4
 Torque max [Nm]: 5
 Rotation max [1/min]: 24000
 Rotating direction: same
 Coolant: EXT

Part-#	Name
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8 013 54 009

Axial drilling and milling head ER 16 AX UT IC



Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 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: IC/Ext
 Pressure max [bar]: 100

8 019 55 050

Axial drilling and milling head ER 25 AX UT



Weight [kg]: 5.000
 Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 40
 Rotation max [1/min]: 8000
 Rotating direction: opposite
 Coolant: EXT
 Please note: stronger bearing
 Offset [mm]: 42

8 019 55 051

Axial drilling and milling head ER 25 AX UT



Weight [kg]: 5.010
 Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 2:1
 Torque max [Nm]: 50
 Rotation max [1/min]: 3000
 Rotating direction: opposite
 Coolant: EXT
 Please note: stronger bearing
 Offset [mm]: 42

8 019 55 052

Axial drilling and milling head ER 25 AX UT



Weight [kg]: 5.020
 Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:3
 Torque max [Nm]: 16
 Rotation max [1/min]: 18000
 Rotating direction: opposite
 Coolant: EXT
 Please note: stronger bearing
 Offset [mm]: 42

Part-#	Name
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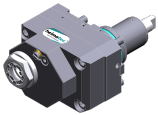
8 019 55 053



Axial drilling and milling head ER 25 AX UT

Weight [kg]: 4.980
 Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:2
 Torque max [Nm]: 25
 Rotation max [1/min]: 16000
 Rotating direction: opposite
 Coolant: EXT
 Please note: stronger bearing
 Offset [mm]: 42

8 019 55 054



Axial drilling and milling head ER 25 AX UT IC

Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 40
 Rotation max [1/min]: 6000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Please note: stronger bearing
 Offset [mm]: 42

8 019 55 056



Axial drilling and milling head ER 25 AX UT IC

Weight [kg]: 6.130
 Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:3
 Torque max [Nm]: 16
 Rotation max [1/min]: 18000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Please note: stronger bearing
 Offset [mm]: 42

8 019 55 057



Axial drilling and milling head ER 25 AX UT IC

Weight [kg]: 6.060
 Notation: offset; 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 55.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:2
 Torque max [Nm]: 25
 Rotation max [1/min]: 16000

Part-#	Name
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Rotating direction: opposite
Coolant: IC/Ext
Pressure max [bar]: 140
Please note: stronger bearing
Offset [mm]: 42

8 030 55 175 Radial drilling and milling head ER 25 AX UT



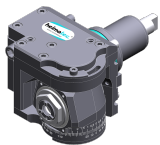
Notation: 180° reversible
Tool drive: Flat (~DIN 1809)
Shank size [mm]: 55.00
Shank type: BMT
Tool adaption: ER 25 A - u-tec
Gear ratio [i]: 1:1
Torque max [Nm]: 50
Rotation max [1/min]: 12000
Rotating direction: same
Coolant: EXT
Please note: stronger bearing
Center distance [mm]: 60

8 030 55 176 Radial drilling and milling head ER 25 AX UT IC



Weight [kg]: 6.500
Notation: 180° reversible
Tool drive: Flat (~DIN 1809)
Shank size [mm]: 55.00
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
Coolant: IC/Ext
Pressure max [bar]: 140
Please note: stronger bearing
Center distance [mm]: 60

8 043 54 006 Universal head +110°/-20° adj. ER16 AX UT



Weight [kg]: 5.940
Notation: offset; 180° reversible
Tool drive: Flat (~DIN 1809)
Shank size [mm]: 55.00
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
Center distance [mm]: 50
Offset [mm]: 35

Part-#	Name
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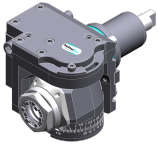
8 043 54 013



Universal head +110°/-20° adj. ER16 AX UT

Weight [kg]:	6.320
Notation:	offset; 180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	55.00
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:	EXT
Center distance [mm]:	50
Offset [mm]:	35

8 043 55 005



Universal head +110°/-20° adj. ER25 AX UT

Weight [kg]:	6.170
Notation:	offset, 180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	55.00
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]:	50
Offset [mm]:	35

8 043 55 009



Universal head +110°/-20° adj. ER25AX UTIK

Weight [kg]:	6.320
Notation:	offset, 180° reversible
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	55.00
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]:	50
Offset [mm]:	35

8 043 55 027

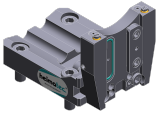
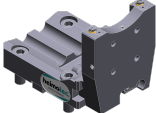




Universal head +110°/-20° adj. ER25 AX UT

Weight [kg]:	6.180
Notation:	offset, 180° reversible
Version:	at 45° position can be pinned
Tool drive:	Flat (~DIN 1809)
Shank size [mm]:	55.00
Shank type:	BMT
Tool adaption:	ER 25 A - u-tec

Part-#	Name	
	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]:	50
	Offset [mm]:	35
8 200 02 003	Cover plate	
	Weight [kg]:	0.361
	Shank size [mm]:	55.00
	Shank type:	BMT
8 202 00 009	Basic holder longitudinal seat FN 12	
	Weight [kg]:	1.140
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Interface FN 12
	Coolant:	EXT
8 224 03 003	Cut-off holder SH 32	
	Weight [kg]:	1.810
	Notation:	180° reversible
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret side
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
8 224 04 002	Universal turning holder sq. 20	
	Weight [kg]:	3.460
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 04 062	Universal turning holder sq. 20 IC	
	Weight [kg]:	3.020
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail

Part-#	Name	
8 224 05 003	Universal turning holder sq. 25	
	Weight [kg]:	3.620
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 25
	Coolant:	EXT
8 224 05 005	Universal turning holder sq. 1"	
	Weight [kg]:	3.560
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 1" (25,4mm)
	Coolant:	EXT
8 224 05 015	Universal turning holder sq. 25/20	
	Weight [kg]:	3.780
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 25/20
	Coolant:	EXT
	Pressure max [bar]:	80
	Please note:	with spacer strip for sq. 20
8 224 05 023	Universal turning holder sq. 25/20	
	Weight [kg]:	3.150
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 25/20
	Coolant:	EXT
	Please note:	with spacer strip for sq. 20
8 244 05 003	Combi facing holder sq. 25	
	Weight [kg]:	5.340
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 25
	Coolant:	EXT
	Pressure max [bar]:	80
8 244 05 006	Combi facing holder sq. 1"	
	Weight [kg]:	5.310
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Sq. 1" (25,4mm)
	Coolant:	EXT

Part-#	Name	
8 320 03 008	Cut-off holder, height adjustable SH 32 IC	
	Weight [kg]:	1.790
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
8 320 03 025	Cut-off holder, height adjustable SH 32 IC	
	Weight [kg]:	1.910
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	Clampshaft internal
8 320 09 001	Cut-off holder, height adjustable 845 IC	
	Weight [kg]:	1.730
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 15
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70





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