

Mori Seiki

ZL 203 MC/SMC



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

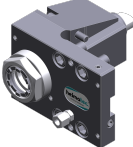
Digital tool management

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Part-#	Name
8 010 34 012	Axial drilling and milling head ER 20 IC
	Weight [kg]: 5.640
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: ER 20
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: IC/Ext
	Pressure max [bar]: 25
8 010 35 014	Axial drilling and milling head ER 25 AX UT
	Weight [kg]: 5.290
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	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
8 010 36 000	Axial drilling and milling head ER 32 IC
	Weight [kg]: 5.560
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: ER 32
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: IC/Ext
	Pressure max [bar]: 25
8 010 36 001	Axial drilling and milling head ER 32
	Weight [kg]: 5.520
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: ER 32
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 8000
	Rotating direction: same
	Coolant: EXT

Part-#	Name	
8 010 36 007	Axial drilling and milling head ER 32 AX UT	
	Weight [kg]:	5.470
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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:	same
	Coolant:	EXT
	Please note:	stronger bearing
8 010 36 008	Axial drilling and milling head ER 32 IC	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 32
	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 36 009	Axial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	5.550
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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:	stronger bearing
8 010 36 016	Axial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	5.500
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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]:	25
	Please note:	stronger bearing

Part-#	Name
8 010 37 000	Axial drilling and milling head HT 5
	Weight [kg]: 5.510
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: HT 5
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 8000
	Rotating direction: same
	Coolant: EXT
8 010 37 001	Axial drilling and milling head HT 5 IC
	Weight [kg]: 5.530
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: HT 5
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: IC/Ext
	Pressure max [bar]: 25
8 010 37 002	Axial drilling and milling head ER 40 IC
	Weight [kg]: 5.800
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: ER 40
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: IC/Ext
	Pressure max [bar]: 25
8 011 34 004	Axial milling head universal arbor 16
	Weight [kg]: 5.470
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: Universal arbor 16
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: EXT
8 011 35 000	Axial milling head universal arbor 22
	Weight [kg]: 5.580
	Tool drive: Flat (~DIN 1809)
	Shank size [mm]: 32.00
	Shank type: BMT
	Tool adaption: Universal arbor 22
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50

Part-#	Name	
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
8 030 34 005	Radial drilling and milling head ER 20	
	Weight [kg]:	10.680
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 20
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	55
8 030 34 012	Radial drilling and milling head ER 20 IC	
	Employment for:	Main spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	55
8 030 34 013	Radial drilling and milling head ER 20 IC	
	Employment for:	Sub spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 20
	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:	note center distance 55 !
	Center distance [mm]:	55
8 030 35 014	Radial drilling and milling head ER 25 AX UT IC	
	Weight [kg]:	10.320
	Employment for:	Sub spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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:	opposite
	Coolant:	IC/Ext

Part-#	Name
	Pressure max [bar]: 140 Please note: note center distance 55 ! Center distance [mm]: 55
8 030 35 027	Radial drilling and milling head ER 25 AX UT IC Weight [kg]: 10.350 Employment for: Main spindle Tool drive: Flat (~DIN 1809) Shank size [mm]: 32.00 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: opposite Coolant: IC/Ext Pressure max [bar]: 140 Please note: note center distance 55 ! Center distance [mm]: 55
8 030 35 028	Radial drilling and milling head ER 25 AX UT Weight [kg]: 9.970 Employment for: Main spindle Tool drive: Flat (~DIN 1809) Shank size [mm]: 32.00 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: opposite Coolant: EXT Please note: note center distance 55 ! Center distance [mm]: 55
8 030 36 001	Radial drilling and milling head ER 32 Weight [kg]: 10.320 Tool drive: Flat (~DIN 1809) Shank size [mm]: 32.00 Shank type: BMT Tool adaption: ER 32 Gear ratio [i]: 1:1 Torque max [Nm]: 50 Rotation max [1/min]: 12000 Rotating direction: opposite Coolant: EXT Center distance [mm]: 55
8 030 36 005	Radial drilling and milling head ER 32 Weight [kg]: 10.310 Tool drive: Flat (~DIN 1809) Shank size [mm]: 32.00 Shank type: BMT Tool adaption: ER 32 Gear ratio [i]: 2:1 Torque max [Nm]: 63 Rotation max [1/min]: 3000 Rotating direction: opposite

Part-#	Name	
	Coolant:	EXT
	Center distance [mm]:	55
8 030 36 011	Radial drilling and milling head ER 32 AX UT	
	Weight [kg]:	10.240
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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:	opposite
	Coolant:	EXT
	Center distance [mm]:	55
8 030 36 012	Radial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	10.470
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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
	Center distance [mm]:	55
8 030 36 021	Radial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	10.450
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	55
8 030 37 001	Radial drilling and milling head HT 5 IC	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	55

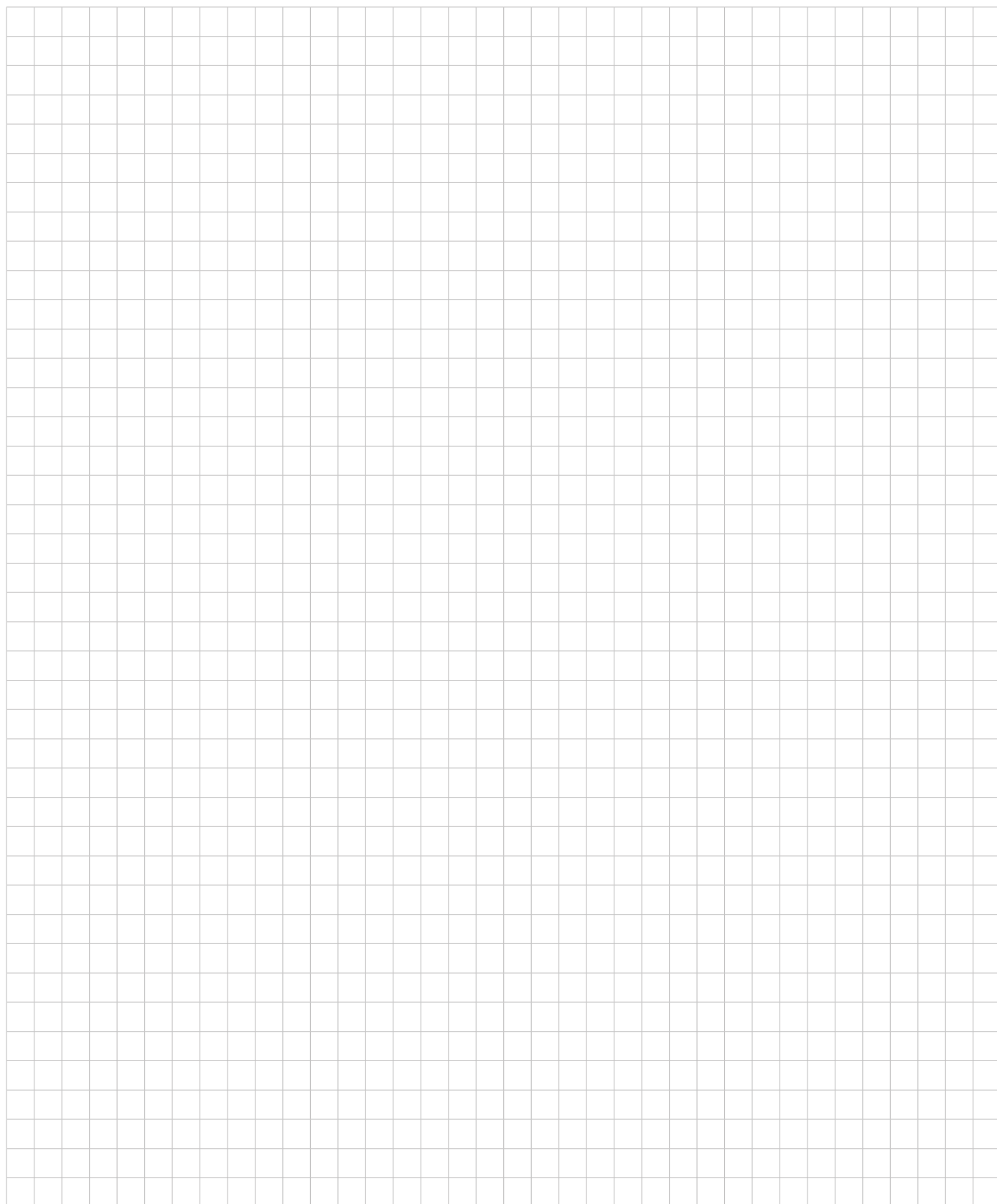
Part-#	Name	
8 030 37 007	Radial drilling and milling head Weldon 1"	
	Weight [kg]:	10.890
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 1" (25,4mm)
	Gear ratio [i]:	2:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	55
8 031 36 000	Radial polygon head arbor 27	
	Weight [kg]:	10.860
	Employment for:	Main spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	Polygon arbor 27
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
8 037 34 001	Woodruff keycutter ER 20 AX	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 20 A
	Gear ratio [i]:	1,333:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	75
	Offset [mm]:	8
8 039 35 004	Radial drilling and milling head ER 25 AX UT	
	Weight [kg]:	10.480
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 25 u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Center distance [mm]:	55

Part-#	Name	
8 039 36 002	Radial drilling and milling head ER 32 AX UT	
	Weight [kg]:	10.710
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 32 u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Center distance [mm]:	55
8 039 36 004	Radial drilling and milling head ER 32 AX UT IC	
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 32 u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	10000
	Rotating direction:	same/opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	80
	Please note:	stronger bearing
	Center distance [mm]:	55
8 040 34 007	Universal head + 99°/-77° adj. ER16 AX UT	
	Weight [kg]:	6.890
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	20
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Note swivel range
	Center distance [mm]:	34
8 040 34 010	Universal head + 99°/-77° adj. ER16AX UTIK	
	Weight [kg]:	6.920
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	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]:	25
	Please note:	Note swivel range
	Center distance [mm]:	34

Part-#	Name	
8 040 34 011	Universal head + 99°/-77° adj. ER20 AX UT	
	Weight [kg]:	7.070
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	20
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Note swivel range
	Center distance [mm]:	34
8 053 34 014	Multispindle radial head ER 16 AX UT	
	Weight [kg]:	9.860
	Employment for:	Main spindle
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	25/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Check applicability
	Center distance [mm]:	55
8 202 20 013	Basic holder longitudinal seat FN 12	
	Weight [kg]:	1.750
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	7
8 224 25 000	Universal turning holder sq. 25	
	Weight [kg]:	3.560
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25
	Coolant:	EXT
8 224 25 001	Universal turning holder sq. 25	
	Weight [kg]:	4.760
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
	Please note:	long version

Part-#	Name	
8 224 25 014	Universal turning holder sq. 25 IC	
	Shank type:	BMT
	Machine adaption:	Centering key b 18
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 224 25 015	Universal turning holder sq. 25 IC	
	Shank type:	BMT
	Machine adaption:	Centering key b 18
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	long version, key rail
8 240 28 067	Boring bar holder Ø 32 - slotted	
	Weight [kg]:	5.240
	Version:	long; slotted
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 32
	Coolant:	EXT
	Center distance [mm]:	40
8 240 29 002	Boring bar holder Ø 40	
	Weight [kg]:	3.920
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	40
8 240 29 007	Boring bar holder Ø 40	
	Weight [kg]:	6.180
	Version:	long
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	40
8 240 29 021	Boring bar holder Ø 50	
	Weight [kg]:	5.330
	Version:	long version
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 50
	Coolant:	IC/Ext
	Center distance [mm]:	40

Part-#	Name	
8 244 25 000	Combi facing holder sq. 25	
	Weight [kg]:	5.900
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25
	Coolant:	EXT
	Please note:	long version
8 251 25 002	Combi double turning holder sq. 25	
	Weight [kg]:	5.290
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
8 253 28 001	Double boring bar holder Ø 32	
	Weight [kg]:	5.680
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 32
		Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	40/85
8 253 28 006	Double boring bar holder Ø 1 1/4"	
	Weight [kg]:	5.710
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 1 1/4" (31,75mm)
		Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Center distance [mm]:	40/85
8 253 28 009	Multiple boring bar holder Ø 32	
	Weight [kg]:	7.930
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Ø 32
		Ø 32
		Ø 32
		Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	40/ 85
8 320 23 016	Cut-off holder, height adjustable SH 32 IC	
	Weight [kg]:	2.360
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70



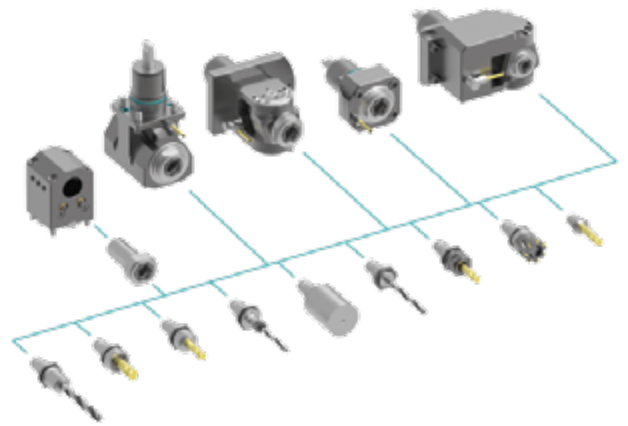
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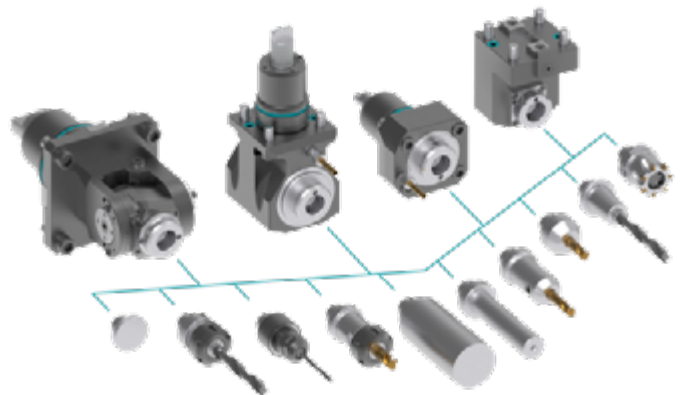
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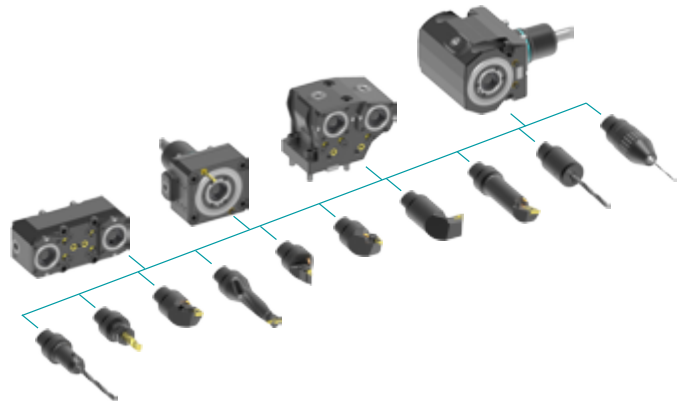
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