

Mori Seiki

# ZL 204 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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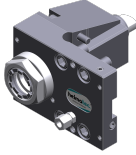
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Part-#	Name	
<b>8 010 34 012</b>	<b>Axial drilling and milling head ER 20 IC</b>	
	Weight [kg]:	5.640
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	ER 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
<b>8 010 35 014</b>	<b>Axial drilling and milling head ER 25 AX UT</b>	
	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
<b>8 010 36 000</b>	<b>Axial drilling and milling head ER 32 IC</b>	
	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
<b>8 010 36 001</b>	<b>Axial drilling and milling head ER 32</b>	
	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
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**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

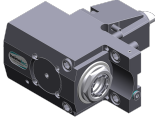
Part-#	Name	
<b>8 010 37 000</b>	<b>Axial drilling and milling head HT 5</b>	
	Weight [kg]:	5.510
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	32.00
	Shank type:	BMT
	Tool adaption:	HT 5
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 37 001</b>	<b>Axial drilling and milling head HT 5 IC</b>	
	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
<b>8 010 37 002</b>	<b>Axial drilling and milling head ER 40 IC</b>	
	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
<b>8 011 34 004</b>	<b>Axial milling head universal arbor 16</b>	
	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
<b>8 011 35 000</b>	<b>Axial milling head universal arbor 22</b>	
	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
<b>8 030 34 005</b>	<b>Radial drilling and milling head ER 20</b>	
	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
<b>8 030 34 012</b>	<b>Radial drilling and milling head ER 20 IC</b>	
	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
<b>8 030 34 013</b>	<b>Radial drilling and milling head ER 20 IC</b>	
	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
<b>8 030 35 014</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>	
	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
<b>8 030 35 027</b>	<b>Radial drilling and milling head ER 25 AX UT IC</b>	
	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
<b>8 030 35 028</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	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
<b>8 030 36 001</b>	<b>Radial drilling and milling head ER 32</b>	
	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
<b>8 030 36 005</b>	<b>Radial drilling and milling head ER 32</b>	
	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
<b>8 030 36 011</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	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
<b>8 030 36 012</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	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
<b>8 030 36 021</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	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
<b>8 030 37 001</b>	<b>Radial drilling and milling head HT 5 IC</b>	
	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	
<b>8 030 37 007</b>	<b>Radial drilling and milling head Weldon 1"</b>	
	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
<b>8 031 36 000</b>	<b>Radial polygon head arbor 27</b>	
	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
<b>8 037 34 001</b>	<b>Woodruff keycutter ER 20 AX</b>	
	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
<b>8 039 35 004</b>	<b>Radial drilling and milling head ER 25 AX UT</b>	
	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	
<b>8 039 36 002</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	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
<b>8 039 36 004</b>	<b>Radial drilling and milling head ER 32 AX UT IC</b>	
	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]:	70
	Please note:	stronger bearing
	Center distance [mm]:	55
<b>8 040 34 007</b>	<b>Universal head + 99°/-77° adj. ER16 AX UT</b>	
	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
<b>8 040 34 010</b>	<b>Universal head + 99°/-77° adj. ER16AX UTIK</b>	
	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	
<b>8 040 34 011</b>	<b>Universal head + 99°/-77° adj. ER20 AX UT</b>	
	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
<b>8 053 34 014</b>	<b>Multispindle radial head ER 16 AX UT</b>	
	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
<b>8 202 20 013</b>	<b>Basic holder longitudinal seat FN 12</b>	
	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
<b>8 224 25 000</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	3.560
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 224 25 001</b>	<b>Universal turning holder sq. 25</b>	
	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	
<b>8 240 29 002</b>	<b>Boring bar holder Ø 40</b>	
	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
<b>8 240 29 007</b>	<b>Boring bar holder Ø 40</b>	
	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
<b>8 240 29 021</b>	<b>Boring bar holder Ø 50</b>	
	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
<b>8 244 25 000</b>	<b>Combi facing holder sq. 25</b>	
	Weight [kg]:	5.900
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25
	Coolant:	EXT
	Please note:	long version
<b>8 251 25 002</b>	<b>Combi double turning holder sq. 25</b>	
	Weight [kg]:	5.290
	Shank type:	BMT
	Machine adaption:	Centering key slot b 25
	Tool adaption:	Sq. 25 Sq. 25
	Coolant:	EXT
<b>8 253 28 001</b>	<b>Double boring bar holder Ø 32</b>	
	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

Part-#	Name	
<b>8 253 28 006</b>	<b>Double boring bar holder Ø 1 1/4"</b>	
	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
<b>8 253 28 009</b>	<b>Multiple boring bar holder Ø 32</b>	
	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



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