

Nakamura  
**TMC-400 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	
<b>8 010 66 058</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	5.320
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 66 059</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	5.650
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 010 66 060</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Weight [kg]:	5.680
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	80
	Please note:	Combi bearing; dryrun possible
<b>8 010 67 030</b>	<b>Axial drilling and milling head ER 40 AX UT IC</b>	
	Weight [kg]:	5.580
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	80
	Please note:	Combi bearing; dryrun possible

Part-#	Name	
<b>8 010 67 079</b>	<b>Axial drilling and milling head ER 40 AX UT</b>	
	Weight [kg]:	5.320
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 010 67 080</b>	<b>Axial drilling and milling head ER 40 AX UT IC</b>	
	Weight [kg]:	5.650
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 010 68 005</b>	<b>Axial drilling and milling head HT 6 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	HT 6
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 010 68 006</b>	<b>Axial drilling and milling head HT 6</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	HT 6
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing

Part-#	Name	
<b>8 010 68 016</b>	<b>Axial drilling and milling head HT 6 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	HT 6
	Gear ratio [i]:	1:1
	Torque max [Nm]:	80
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	Combi bearing
<b>8 011 65 022</b>	<b>Axial milling head universal arbor 22</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Combi bearing
<b>8 011 65 024</b>	<b>Axial milling head universal arbor 22 IC</b>	
	Weight [kg]:	6.990
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 011 66 012</b>	<b>Axial milling head universal arbor 27 IC</b>	
	Weight [kg]:	7.090
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 27
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing

Part-#	Name	
<b>8 011 67 007</b>	<b>Axial milling head universal arbor 32 IC</b>	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 32
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
<b>8 019 66 018</b>	<b>Axial drilling and milling head ER 32 AX UT</b>	
	Weight [kg]:	10.450
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	63
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	60
<b>8 019 66 023</b>	<b>Axial drilling and milling head ER 32 AX UT IC</b>	
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	60
<b>8 019 67 012</b>	<b>Axial drilling and milling head ER 40 AX UT IC</b>	
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 40 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	100
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	60

Part-#	Name
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**8 030 66 040**



**Angle-mill- and drill holder ER 32 AX UT IC**

Weight [kg]: 12.800  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 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: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Please note: Combi bearing  
 Center distance [mm]: 90

**8 030 66 071**

**Radial drilling and milling head ER 32 AX UT**

Weight [kg]: 11.730  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 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: opposite  
 Coolant: EXT  
 Please note: Combi bearing  
 Center distance [mm]: 90

**8 030 66 262**



**Radial drilling and milling head ER 32 AX UT IC**


Weight [kg]: 8.540  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 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]: 90

**8 030 67 036**

**Radial drilling and milling head ER 40 AX UT IC**

Weight [kg]: 12.740  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 Shank type: BMT  
 Tool adaption: ER 40 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 5000  
 Rotating direction: opposite



Part-#	Name	
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	90
<b>8 030 68 001</b>	<b>Radial drilling and milling head HT 6</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	HT 6
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	90
<b>8 030 68 002</b>	<b>Radial drilling and milling head HT 6 IC</b>	
	Weight [kg]:	13.070
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	HT 6
	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
	Center distance [mm]:	90
<b>8 031 65 003</b>	<b>Radial milling head universal arbor 22</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 22
	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]:	90
<b>8 031 66 000</b>	<b>Radial milling head universal arbor 27</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Universal arbor 27
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	5000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	90
<b>8 039 65 003</b>	<b>Radial drilling and milling head Weldon 16</b>	
	Weight [kg]:	15.960
	Notation:	45° angle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
<b>8 039 65 004</b>	<b>Radial drilling and milling head Weldon 16 IC</b>	
	Weight [kg]:	15.960
	Notation:	45° angle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	IC/Ext
<b>8 039 65 006</b>	<b>Radial drilling and milling head ER 25</b>	
	Weight [kg]:	27.800
	Notation:	7,125° angle
	Employment for:	Inside operation
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	20
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
<b>8 039 66 012</b>	<b>Radial drilling and milling head ER 32 AX UT</b>	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	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/opposite
	Coolant:	EXT
	Please note:	stronger bearing

Part-#	Name	
	Center distance [mm]:	90
<b>8 040 65 009</b>	<b>Universal head ± 90° adjustable ER 25 AX UT</b>	
	Weight [kg]:	7.000
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	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]:	80,5
<b>8 040 65 014</b>	<b>Universal head ± 90° adjustable ER 25 AX UT IC</b>	
	Weight [kg]:	6.820
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	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:	stronger bearing
	Center distance [mm]:	80,5
<b>8 202 20 019</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	2.050
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Interface FN 12
	Coolant:	EXT
	Center distance [mm]:	20
<b>8 224 22 000</b>	<b>Cut-off holder sq. 25 - Z 3431</b>	
	Weight [kg]:	2.380
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 224 23 000</b>	<b>Cut-off holder SH 32 - Z 3431-2</b>	
	Weight [kg]:	2.300
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext

Part-#	Name	
<b>8 224 25 012</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	4.680
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 225 22 000</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	2.400
	Employment for:	left cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 240 28 001</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	8.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	105
<b>8 240 28 002</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	11.740
	Notation:	offset; 180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	105
<b>8 240 29 003</b>	<b>Boring bar holder Ø 50 - R 3437 similar to</b>	
	Weight [kg]:	11.600
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 50
	Coolant:	IC/Ext
	Center distance [mm]:	105
	Offset [mm]:	25
<b>8 240 29 004</b>	<b>Boring bar holder Ø 40 - R 3417</b>	
	Weight [kg]:	8.060
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	105

Part-#	Name	
<b>8 240 29 006</b>	<b>Boring bar holder Ø 50 - R 3437</b>	
	Weight [kg]:	9.340
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 50
	Coolant:	IC/Ext
	Center distance [mm]:	105
<b>8 240 29 028</b>	<b>Boring bar holder Ø 2"</b>	
	Weight [kg]:	9.290
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 2" (50,8mm)
	Coolant:	IC/Ext
	Center distance [mm]:	105
<b>8 240 29 030</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	10.420
	Notation:	offset; 180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	105
<b>8 244 22 000</b>	<b>Facing holder sq.25</b>	
	Weight [kg]:	5.590
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 244 22 001</b>	<b>Facing holder sq.25</b>	
	Weight [kg]:	5.580
	Version:	special
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Sq. 25
	Coolant:	EXT
	Please note:	with 2. coolant nozzle
<b>8 251 22 001</b>	<b>Double turning holder sq. 25</b>	
	Weight [kg]:	5.260
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT

Part-#	Name	
<b>8 253 28 000</b>	<b>Double boring bar holder Ø 32</b>	
	Weight [kg]:	8.420
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	70/122,5
<b>8 253 29 000</b>	<b>Multiple boring bar holder Ø 40</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	70/122,5
<b>8 320 29 023</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Weight [kg]:	2.590
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70
<b>8 320 29 024</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70
	Please note:	Clampshaft internal



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