

Nakamura  
**TMC-300**



# 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


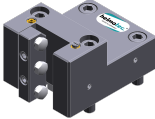

Digital tool management

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Part-#	Name	
<b>8 200 03 001</b>	<b>Cover plate</b>	
	Weight [kg]:	0.438
	Shank type:	BMT
<b>8 202 10 002</b>	<b>Basic holder for height adjustable adapter</b>	
	Shank type:	BMT
	Machine adaption:	Centering key b 20
<b>8 202 10 003</b>	<b>Basic holder for height adjustable adapter</b>	
	Weight [kg]:	2.840
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Coolant:	EXT
<b>8 202 10 008</b>	<b>Basic holder longitudinal seat FN 12</b>	
	Weight [kg]:	1.200
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Interface FN 12
	Coolant:	EXT
<b>8 209 14 000</b>	<b>Adapter for VDI 40</b>	
	Weight [kg]:	4.560
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	DIN 69880 - 40
	Coolant:	EXT
	Center distance [mm]:	35
<b>8 209 14 001</b>	<b>Adapter for VDI 40</b>	
	Weight [kg]:	5.310
	Notation:	180° reversible; offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	DIN 69880 - 40
	Coolant:	EXT
	Center distance [mm]:	80
<b>8 224 12 010</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	2.040
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key slot b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 224 12 011</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	2.040
	Employment for:	left cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT


Part-#	Name	
<b>8 224 13 008</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	1.840
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret side
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
<b>8 224 13 009</b>	<b>Cut-off holder SH 32</b>	
	Weight [kg]:	1.170
	Employment for:	Cut-off tool 32
	Version:	Clampshaft on turret center
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
<b>8 224 15 000</b>	<b>Universal turning holder sq. 25</b>	
	Weight [kg]:	4.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 224 15 008</b>	<b>Universal turning holder sq. 1"</b>	
	Weight [kg]:	4.370
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
	Coolant:	EXT
<b>8 224 15 038</b>	<b>Universal turning holder sq. 25 IC</b>	
	Weight [kg]:	4.380
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	IC/Ext
<b>8 224 15 051</b>	<b>Universal turning holder sq. 25 IC</b>	
	Weight [kg]:	4.380
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail



Part-#	Name	
<b>8 225 12 002</b>	<b>Cut-off holder sq. 25</b>	
	Weight [kg]:	1.640
	Employment for:	left cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 225 12 003</b>	<b>Cut-off holder sq. 25</b>	
	Employment for:	right cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 240 15 009</b>	<b>Insert drill holder 16 IC</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Whistle-Notch (DIN 1835 E) 16
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 16 003</b>	<b>Boring bar holder Ø 20</b>	
	Weight [kg]:	5.700
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 20
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 16 011</b>	<b>Insert drill holder 20 IC</b>	
	Weight [kg]:	7.660
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Ø 20
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 16 015</b>	<b>Tool holder hydro 20 - blank</b>	
	Weight [kg]:	4.280
	Notation:	180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Blank for hydro clamp
	Coolant:	IC/Ext
	Center distance [mm]:	90


Part-#	Name	
<b>8 240 16 031</b>	<b>Collet chuck holder ER 32</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 000</b>	<b>Boring bar holder Ø 25</b>	
	Weight [kg]:	5.440
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 010</b>	<b>Boring bar holder Ø 30</b>	
	Weight [kg]:	5.960
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 30
	Coolant:	EXT
	Center distance [mm]:	57,5
<b>8 240 17 018</b>	<b>Tool holder HT 5</b>	
	Weight [kg]:	6.480
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	HT 5
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 019</b>	<b>Tool holder HT 5</b>	
	Weight [kg]:	6.080
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	HT 5
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 17 025</b>	<b>Insert drill holder 25 IC</b>	
	Weight [kg]:	7.630
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Whistle-Notch (DIN 1835 E) 25
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 17 060</b>	<b>Collet chuck holder ER 40</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 40
	Coolant:	IC/Ext
	Center distance [mm]:	90



Part-#	Name	
<b>8 240 17 082</b>	<b>Tool holder C 5 IC</b>	
	Weight [kg]:	6.020
	Notation:	180° reversible
	Version:	offset; right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 5
	Coolant:	IC
	Center distance [mm]:	80
<b>8 240 17 113</b>	<b>Tool holder C 5 IC</b>	
	Weight [kg]:	7.200
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 5
	Coolant:	IC
	Center distance [mm]:	80
<b>8 240 18 000</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	5.220
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 18 002</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	5.760
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 18 003</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	5.780
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	107,5
<b>8 240 18 020</b>	<b>Boring bar holder Ø 32</b>	
	Weight [kg]:	3.800
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	60

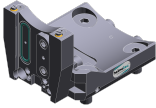


Part-#	Name	
<b>8 240 18 022</b>	<b>Insert drill holder 32 IC</b>	
	Weight [kg]:	7.400
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Ø 32
	Coolant:	IC
	Center distance [mm]:	85
<b>8 240 18 035</b>	<b>Boring bar holder Ø 1 1/2"</b>	
	Weight [kg]:	4.910
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1 1/2" (38,1mm)
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 18 041</b>	<b>Boring bar holder Ø 1 1/4"</b>	
	Weight [kg]:	5.160
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 19 000</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	4.830
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 19 003</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	5.640
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	107,5
<b>8 240 19 004</b>	<b>Boring bar holder Ø 50</b>	
	Weight [kg]:	7.600
	Notation:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 50
	Coolant:	IC/Ext
	Center distance [mm]:	85

Part-#	Name	
<b>8 240 19 005</b>	<b>Boring bar holder Ø 40 offset</b>	
	Weight [kg]:	7.920
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	90
	Offset [mm]:	60
<b>8 240 19 006</b>	<b>Boring bar holder Ø 42</b>	
	Notation:	180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 42
	Coolant:	IC/Ext
	Center distance [mm]:	90
<b>8 240 19 017</b>	<b>Boring bar holder Ø 40</b>	
	Weight [kg]:	3.540
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	60
<b>8 240 19 019</b>	<b>Insert drill holder 40 IC</b>	
	Weight [kg]:	7.100
	Notation:	180° reversible
	Shank type:	BMT
	Tool adaption:	Ø 40
	Coolant:	IC
	Center distance [mm]:	85
<b>8 244 12 000</b>	<b>Facing holder sq. 25</b>	
	Weight [kg]:	5.460
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 250 16 010</b>	<b>Double tool holder C 4 IC</b>	
	Weight [kg]:	2.940
	Employment for:	Main- and sub spindle
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 4 heimatec Capto(TM) C 4
	Coolant:	IC
	Pressure max [bar]:	80
	Please note:	Check applicability; note tool length!
	Offset [mm]:	±24

Part-#	Name	
<b>8 251 12 000</b>	<b>Double turning holder sq. 25</b>	
	Weight [kg]:	6.920
	Employment for:	right cutting tools
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
	Coolant:	EXT
<b>8 251 15 000</b>	<b>Combi double turning holder sq. 25</b>	
	Weight [kg]:	6.800
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 25
		Sq. 25
		Sq. 25
		Sq. 25
	Coolant:	EXT
<b>8 251 15 007</b>	<b>Combi double turning holder sq. 1"</b>	
	Weight [kg]:	6.780
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
		Sq. 1" (25,4mm)
	Coolant:	EXT
<b>8 253 15 016</b>	<b>Double boring bar holder Ø 16</b>	
	Weight [kg]:	5.440
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 16
		Ø 16
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100
<b>8 253 16 000</b>	<b>Double tool holder HT 4</b>	
	Weight [kg]:	6.620
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	HT 4
	Coolant:	IC/Ext
	Please note:	Holder 180° reversible
	Center distance [mm]:	57,5/100
<b>8 253 16 035</b>	<b>Double boring bar holder Ø 20</b>	
	Weight [kg]:	5.280
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 20
		Ø 20
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur

Part-#	Name	
	Center distance [mm]:	57,5/100
<b>8 253 17 003</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	5.680
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	57,5/107,5
<b>8 253 17 007</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	4.980
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	57,5/100
<b>8 253 17 041</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	5.560
	Notation:	180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	65/110
<b>8 253 17 050</b>	<b>Double boring bar holder Ø 1"</b>	
	Weight [kg]:	4.940
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	57,5/100
<b>8 253 17 089</b>	<b>Double boring bar holder Ø 25</b>	
	Weight [kg]:	4.980
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100

Part-#	Name	
<b>8 253 18 018</b>	<b>Double boring bar holder Ø 32</b>	
	Weight [kg]:	8.420
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
		Ø 32
	Coolant:	IC/Ext
	Please note:	untere boring bar zur main spindle obere boring bar zur
	Center distance [mm]:	57,5/100
<b>8 261 18 002</b>	<b>Tool holder for centering insert</b>	
	Weight [kg]:	6.110
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	EXT
	Please note:	Price without centering point
	Center distance [mm]:	57,5
<b>8 263 19 010</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.160
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90
<b>8 263 19 031</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.280
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90
<b>8 269 19 001</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.510
	Notation:	180° reversible
	Version:	Special; double spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90

Part-#	Name	
<b>8 269 19 002</b>	<b>Tool holder with rotating centering point</b>	
	Weight [kg]:	8.380
	Notation:	180° reversible
	Version:	Special; double spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Rotation max [1/min]:	6000
	Coolant:	EXT
	Please note:	Taper roller bearings
	Center distance [mm]:	90
<b>8 320 13 004</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	1.830
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
<b>8 320 13 016</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	2.050
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	with offset cut-off tool holder use
<b>8 320 13 017</b>	<b>Cut-off holder, height adjustable SH 32 IC</b>	
	Weight [kg]:	1.960
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext
	Pressure max [bar]:	70
	Please note:	Clampshaft internal
<b>8 320 19 002</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Weight [kg]:	1.740
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70
<b>8 320 19 017</b>	<b>Cut-off holder, height adjustable 845 IC</b>	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	 System 845
	Coolant:	IC
	Pressure max [bar]:	70
	Please note:	Clampshaft internal



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