

Nakamura
SC-450 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 66 058	Axial drilling and milling head ER 32 AX UT	
	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
8 010 66 059	Axial drilling and milling head ER 32 AX UT IC	
	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
8 010 66 060	Axial drilling and milling head ER 32 AX UT IC	
	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
8 010 67 030	Axial drilling and milling head ER 40 AX UT IC	
	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	
8 010 67 079	Axial drilling and milling head ER 40 AX UT	
	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
8 010 67 080	Axial drilling and milling head ER 40 AX UT IC	
	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
8 010 68 005	Axial drilling and milling head HT 6 IC	
	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
8 010 68 006	Axial drilling and milling head HT 6	
	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	
8 010 68 016	Axial drilling and milling head HT 6 IC	
	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
8 011 65 022	Axial milling head universal arbor 22	
	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
8 011 65 024	Axial milling head universal arbor 22 IC	
	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
8 011 66 012	Axial milling head universal arbor 27 IC	
	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	
8 011 67 007	Axial milling head universal arbor 32 IC	
	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
8 019 66 018	Axial drilling and milling head ER 32 AX UT	
	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
8 019 66 023	Axial drilling and milling head ER 32 AX UT IC	
	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
8 019 67 012	Axial drilling and milling head ER 40 AX UT IC	
	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
8 030 68 001	Radial drilling and milling head HT 6	
	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
8 030 68 002	Radial drilling and milling head HT 6 IC	
	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
8 031 65 003	Radial milling head universal arbor 22	
	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
8 031 66 000	Radial milling head universal arbor 27	
	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

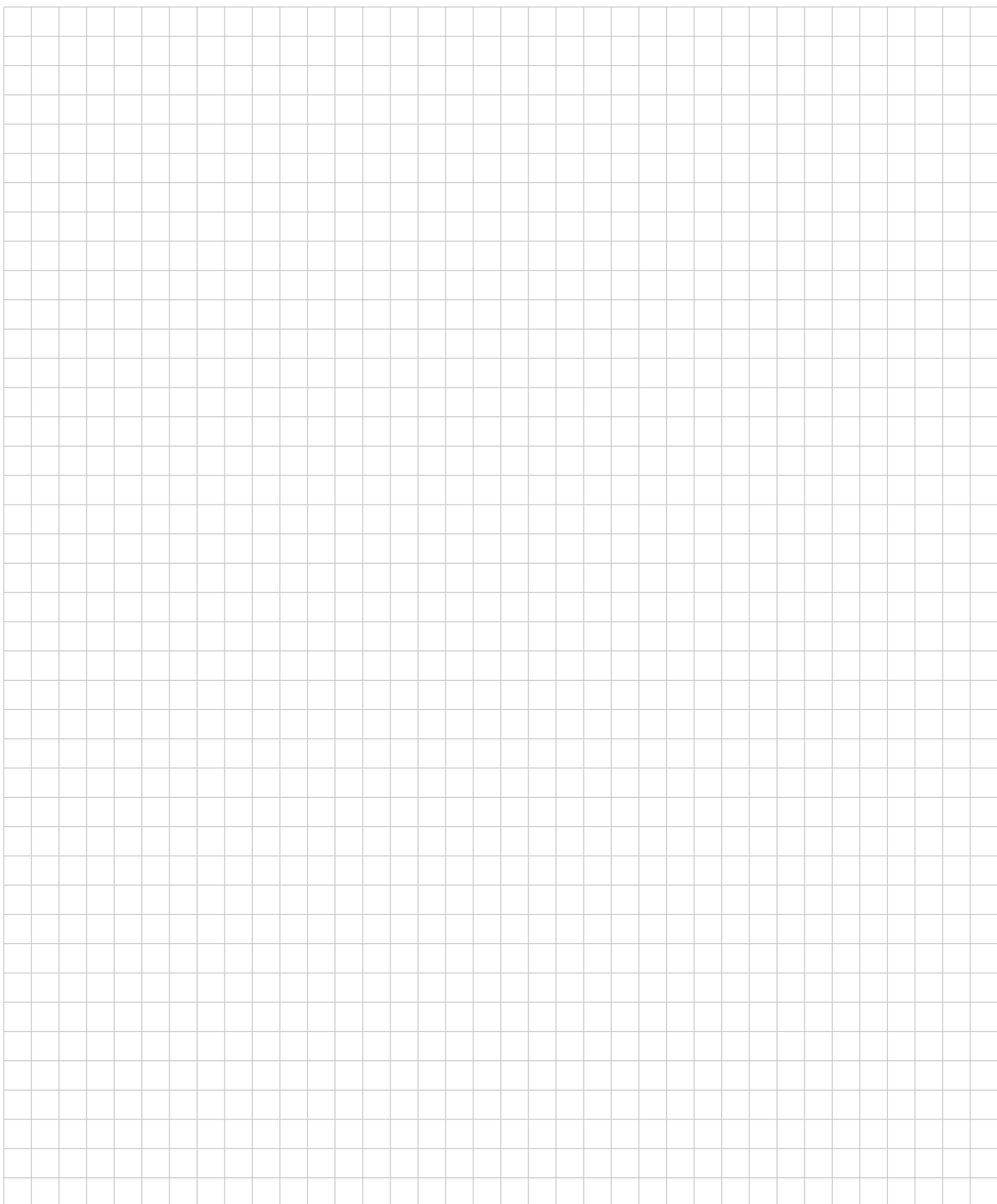
Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	90
8 039 65 003	Radial drilling and milling head Weldon 16	
	Weight [kg]:	15.960
	Notation:	45° angle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	75.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	4000
	Rotating direction:	same
	Coolant:	EXT
8 039 65 004	Radial drilling and milling head Weldon 16 IC	
	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
8 039 65 006	Radial drilling and milling head ER 25	
	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
8 039 66 012	Radial drilling and milling head ER 32 AX UT	
	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
8 040 65 009	Universal head ± 90° adjustable ER 25 AX UT	
	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
8 040 65 014	Universal head ± 90° adjustable ER 25 AX UT IC	
	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
8 202 20 019	Basic holder longitudinal seat FN 12	
	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
8 224 22 000	Cut-off holder sq. 25 - Z 3431	
	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
8 224 23 000	Cut-off holder SH 32 - Z 3431-2	
	Weight [kg]:	2.300
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Clampshaft SH 32
	Coolant:	IC/Ext

Part-#	Name	
8 224 25 012	Universal turning holder sq. 25	
	Weight [kg]:	4.680
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT
8 225 22 000	Cut-off holder sq. 25	
	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
8 240 28 001	Boring bar holder Ø 32	
	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
8 240 28 002	Boring bar holder Ø 32	
	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
8 240 29 003	Boring bar holder Ø 50 - R 3437 similar to	
	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
8 240 29 004	Boring bar holder Ø 40 - R 3417	
	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	
8 240 29 006	Boring bar holder Ø 50 - R 3437	
	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
8 240 29 028	Boring bar holder Ø 2"	
	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
8 240 29 030	Boring bar holder Ø 40	
	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
8 244 22 000	Facing holder sq.25	
	Weight [kg]:	5.590
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 30
	Tool adaption:	Sq. 25
	Coolant:	EXT
8 244 22 001	Facing holder sq.25	
	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
8 251 22 001	Double turning holder sq. 25	
	Weight [kg]:	5.260
	Shank type:	BMT
	Machine adaption:	Centering key b 30
	Tool adaption:	Sq. 25
		Sq. 25
	Coolant:	EXT

Part-#	Name	
8 253 28 000	Double boring bar holder Ø 32	
	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
8 253 29 000	Multiple boring bar holder Ø 40	
	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
8 320 29 023	Cut-off holder, height adjustable 845 IC	
	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
8 320 29 024	Cut-off holder, height adjustable 845 IC	
	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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