

Nakamura
SC-100
X2-oberer



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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Nakamura
SC-100 X2-oberer Revolver

Part-#	Name	
	8 010 44 055	Axial milling and drill holder ER 20 AX UT
	Tool drive: Flat (~DIN 1809) Shank size [mm]: 44.00 Shank type: BMT Tool adaption: ER 20 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 16 Rotation max [1/min]: 6000 Rotating direction: same Coolant: EXT Please note: Combi bearing	
	8 010 44 056	Axial milling and drill holder ER 20 AX UT IC
	Weight [kg]: 1.440 Tool drive: Flat (~DIN 1809) Shank size [mm]: 44.00 Shank type: BMT Tool adaption: ER 20 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 16 Rotation max [1/min]: 6000 Rotating direction: same Coolant: IC/Ext Pressure max [bar]: 25 Please note: Combi bearing	
	8 010 44 085	Axial drilling and milling head ER 20 AX UT IC
	Weight [kg]: 1.970 Tool drive: Flat (~DIN 1809) Shank size [mm]: 44.00 Shank type: BMT Tool adaption: ER 20 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 16 Rotation max [1/min]: 10000 Rotating direction: same Coolant: IC/Ext Pressure max [bar]: 70 Please note: High pressure version	
	8 010 44 091	Axial drilling and milling head ER 20 AX UT
	Weight [kg]: 1.530 Tool drive: Flat (~DIN 1809) Shank size [mm]: 44.00 Shank type: BMT Tool adaption: ER 20 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 32 Rotation max [1/min]: 12000 Rotating direction: same Coolant: EXT	

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Part-#	Name	
	8 010 44 092	Axial drilling and milling head ER 20 AX UT IC
	Weight [kg]:	1.560
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
Pressure max [bar]:	25	
	8 010 44 093	Axial drilling and milling head ER 20 AX UT IC
	Weight [kg]:	2.020
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
Pressure max [bar]:	100	
Please note:	Dryrun possible	
	8 010 45 160	Axial drilling and milling head ER 25 AX UT
	Weight [kg]:	1.530
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
Please note:	stronger bearing	
	8 010 45 170	Axial drilling and milling head ER 25 IC
	Weight [kg]:	1.550
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
Pressure max [bar]:	25	
Please note:	Combi bearing	


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Part-#	Name
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8 010 45 191 **Axial milling and drill holder ER 25 AX UT**


Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 8000
 Rotating direction: same
 Coolant: EXT
 Please note: Combi bearing

8 010 45 192 **Axial milling and drill holder ER 25 AX UT IC**



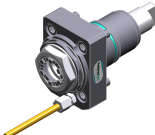
Weight [kg]: 1.800
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 8000
 Rotating direction: same
 Coolant: IC/Ext
 Pressure max [bar]: 25
 Please note: Combi bearing

8 010 45 193 **Axial milling and drill holder ER 25 AX UT IC**




Weight [kg]: 2.340
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 8000
 Rotating direction: same
 Coolant: IC/Ext
 Pressure max [bar]: 100
 Please note: Combi bearing; dryrun possible

8 010 45 208 **Axial drilling and milling head ER 25 AX UT**



Weight [kg]: 1.500
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: same
 Coolant: EXT

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Part-#	Name	
8 010 45 209	Axial drilling and milling head ER 25 AX UT IC	
	Weight [kg]:	1.750
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
8 010 45 210	Axial drilling and milling head ER 25 AX UT IC	
	Weight [kg]:	1.980
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	15000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Dryrun possible
8 010 46 149	Axial drilling and milling head HT 4 IC	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	Combi bearing
8 010 46 277	Axial drilling and milling head HT 4 IC	
	Weight [kg]:	1.400
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing

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Part-#	Name
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8 010 46 323

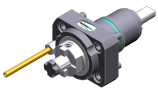
Axial drilling and milling head Weldon 20



Weight [kg]: 1.940
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: Weldon (DIN 1835 b) 20
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: same
 Coolant: EXT

8 011 44 017

Axial milling head universal arbor 16



Weight [kg]: 1.560
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: Universal arbor 16
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 6000
 Rotating direction: same
 Coolant: EXT
 Please note: Combi bearing

8 011 44 018

Axial milling head universal arbor 3/4"



Weight [kg]: 1.480
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: Universal arbor 3/4" (19,05mm)
 Gear ratio [i]: 1:1
 Torque max [Nm]: 25
 Rotation max [1/min]: 8000
 Rotating direction: same
 Coolant: EXT
 Please note: Combi bearing

8 011 45 024

Axial milling head universal arbor 22



Weight [kg]: 1.620
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: Universal arbor 22
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 6000
 Rotating direction: same
 Coolant: EXT
 Please note: Combi bearing


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Part-#	Name	
8 013 43 001	Axial drilling and milling head ER 11	
	Weight [kg]:	1.850
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11
	Gear ratio [i]:	1:4
	Torque max [Nm]:	2,5
	Rotation max [1/min]:	48000
	Rotating direction:	same
	Coolant:	EXT
8 013 44 002	Axial drilling and milling head ER 16 AX UT	
	Weight [kg]:	1.850
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	EXT
8 013 44 003	Axial drilling and milling head ER 16 AX UT IC	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	80
8 019 44 040	Axial drilling and milling head ER 16 AX UT	
	Weight [kg]:	3.780
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5

Part-#	Name	
8 019 44 050	Axial drilling and milling head ER 16 AX UT	
	Weight [kg]:	3.830
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	18000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
8 019 44 052	Axial drilling and milling head ER 16 AX UT IC	
	Weight [kg]:	4.530
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	18000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	180° reversible
	Offset [mm]:	34,5
8 019 44 108	Axial drilling and milling head ER 16 AX UT	
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
8 019 44 109	Axial drilling and milling head ER 16 AX UT IC	
	Weight [kg]:	4.450
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140

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Part-#	Name	
	Please note:	180° reversible
	Offset [mm]:	34,5
8 019 44 124	Axial drilling and milling head ER 16 AX UT IC	
	Weight [kg]:	4.470
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	180° reversible
	Offset [mm]:	34,5
8 019 44 138	Axial drilling and milling head ER 16 AX UT	
	Weight [kg]:	3.120
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16
	Rotation max [1/min]:	20000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Umsetzbarkeit check !
	Offset [mm]:	34,5
8 030 44 065	Radial drilling and milling head ER 16 AX UT	
	Weight [kg]:	4.360
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	68,5
8 030 44 070	Radial drilling and milling head ER 20 AX UT IC	
	Weight [kg]:	4.570
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:2

Part-#	Name	
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	68,5
8 030 44 172	Radial drilling and milling head ER 16 AX UT	
	Weight [kg]:	4.360
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	18000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	68,5
8 030 44 173	Radial drilling and milling head ER 16 AX UT IC	
	Weight [kg]:	4.380
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	18000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	68,5
8 030 44 179	Radial drilling and milling head ER 16 AX UT	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	60
8 030 44 180	Radial drilling and milling head ER 16 AX UT IC	
	Weight [kg]:	4.300
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec

Part-#	Name
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Gear ratio [i]: 1:4
 Torque max [Nm]: 5
 Rotation max [1/min]: 24000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Center distance [mm]: 60

8 030 44 187 Radial drilling and milling head ER 16 AX UT IC



Weight [kg]: 4.710
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 16 A - u-tec
 Gear ratio [i]: 1:2
 Torque max [Nm]: 8
 Rotation max [1/min]: 12000
 Rotating direction: same
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Please note: stronger bearing; Umsetzbarkeit check !
 Center distance [mm]: 75

8 030 44 225 Radial drilling and milling head ER 20 AX UT



Weight [kg]: 3.830
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 20 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: EXT
 Center distance [mm]: 60

8 030 44 226 Radial drilling and milling head ER 20 AX UT IC

Weight [kg]: 4.250
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 20 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Center distance [mm]: 60

Part-#	Name
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8 030 44 229

Radial drilling and milling head ER 20 AX UT



Weight [kg]: 4.780
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 20 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: EXT
 Center distance [mm]: 75

8 030 44 230

Radial drilling and milling head ER 20 AX UT IC



Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 20 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Center distance [mm]: 75

8 030 44 237

Angle-mill- and drill holder ER 20 AX UT



Weight [kg]: 3.880
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 20 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 8000
 Rotating direction: opposite
 Coolant: EXT
 Please note: Combi bearing
 Center distance [mm]: 60

8 030 44 238



Angle-mill- and drill holder ER 20 AX UT IC



Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 20 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 8000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Please note: Combi bearing



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Part-#	Name	
	Center distance [mm]:	60
8 030 44 239	Angle-mill- and drill holder ER 20 AX UT IC	
	Weight [kg]:	4.900
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	75
8 030 44 240	Angle-mill- and drill holder ER 20 AX UT	
	Weight [kg]:	4.300
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	75
8 030 45 158	Radial drilling and milling head ER 25 AX UT	
	Weight [kg]:	4.520
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	72
8 030 45 218	Radial drilling and milling head ER 25 AX UT IC	
	Weight [kg]:	5.040
	Notation:	180° reversible
	Version:	Special
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	2:1

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Part-#	Name	
	Torque max [Nm]:	32
	Rotation max [1/min]:	3000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	72
8 030 45 540	Angle-mill- and drill holder ER 25 AX UT	
	Weight [kg]:	4.190
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	60
8 030 45 560	Radial drilling and milling head Weldon 3/4"	
	Weight [kg]:	4.420
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Weldon (DIN 1835 b) 3/4" (19,05mm)
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Combi bearing
	Center distance [mm]:	60
8 030 45 574	Radial drilling and milling head ER 25 AX UT	
	Weight [kg]:	3.740
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	60

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SC-100 X2-oberer Revolver

Part-#	Name
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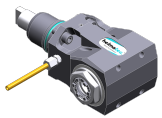
8 030 45 575



Radial drilling and milling head ER 25 AX UT IC

Weight [kg]: 4.600
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Center distance [mm]: 60

8 030 45 583



Radial drilling and milling head ER 25 AX UT

Weight [kg]: 4.280
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: EXT
 Center distance [mm]: 75

8 030 45 584



Radial drilling and milling head ER 25 AX UT IC

Weight [kg]: 4.760
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Center distance [mm]: 75

8 030 45 609






Angle-mill- and drill holder ER 25 AX UT

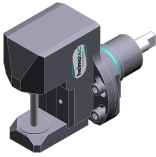
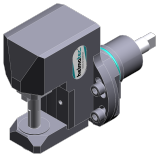
Weight [kg]: 3.900
 Notation: 180° reversible
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 25 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 32
 Rotation max [1/min]: 8000
 Rotating direction: opposite
 Coolant: EXT

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Part-#	Name	
	Please note:	Combi bearing
	Center distance [mm]:	60
8 030 45 610	Angle-mill- and drill holder ER 25 AX UT IC	
	Weight [kg]:	4.240
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	Combi bearing
	Center distance [mm]:	60
8 030 46 266	Radial drilling and milling head HT 4	
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Pressure max [bar]:	140
	Center distance [mm]:	60
8 030 46 267	Radial drilling and milling head HT 4 IC	
	Weight [kg]:	4.250
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	60
8 030 46 503	Radial drilling and milling head HT 4	
	Weight [kg]:	3.540
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16

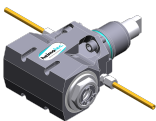
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Part-#	Name	
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60
8 030 46 504	Radial drilling and milling head HT 4 IC	
	Weight [kg]:	3.790
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	60
8 037 41 000	Radial disk mill head arbor 8	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 8
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	no
	Center distance [mm]:	78
8 037 43 003	Radial disk mill head arbor 13	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 13
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	no
	Center distance [mm]:	78
8 037 44 012	Radial disk mill head arbor 16	
	Weight [kg]:	5.300
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	Arbor 16
	Gear ratio [i]:	2:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	no

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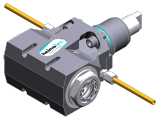



SC-100 X2-oberer Revolver

Part-#	Name	
	Center distance [mm]:	78
8 039 44 058	Radial drilling and milling head ER 16 AX UT	
	Weight [kg]:	4.690
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	16000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	68,5
8 039 44 059	Radial drilling and milling head ER 16 AX UT	
	Weight [kg]:	4.660
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	6
	Rotation max [1/min]:	20000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	68,5
8 039 44 094	Radial drilling and milling head ER 20 AX UT	
	Weight [kg]:	4.140
	Notation:	180° reversible
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	60



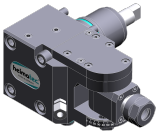

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SC-100 X2-oberer Revolver

Part-#	Name	
	8 039 45 009	Radial drilling and milling head ER 25 AX UT
	Weight [kg]:	4.080
	Notation:	180° reversible
	Version:	double spindle
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32
	Rotation max [1/min]:	12000
	Rotating direction:	same/opposite
	Coolant:	EXT
Please note:	stronger bearing	
Center distance [mm]:	60	
	8 040 43 003	Universal head ± 90° adjustable ER 11 AX
	Weight [kg]:	3.550
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
Center distance [mm]:	67	
	8 040 44 031	Universal head ± 90° adjustable ER 16
	Weight [kg]:	3.580
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
Center distance [mm]:	67	
	8 040 44 110	Universal head ± 90° adjustable ER 16 AX UT
	Weight [kg]:	3.800
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
Center distance [mm]:	58	

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SC-100 X2-oberer Revolver

Part-#	Name	
8 040 44 111	Universal head ± 90° adjustable ER 16 AX UT IC	
	Weight [kg]:	3.040
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	58
8 040 44 116	Universal head ± 90° adjustable ER 16 AX UT	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	20000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	58
8 040 44 117	Universal head ± 90° adjustable ER 16 AX UT IC	
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	20000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	58
8 043 43 000	Universal head + 90° adj. ER11 AX	
	Weight [kg]:	4.040
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	180° reversible
	Center distance [mm]:	25
	Offset [mm]:	72

Part-#	Name	
8 043 43 001	Universal head +155° adj. ER11 AX	
	Weight [kg]:	4.200
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:2
	Torque max [Nm]:	5
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	25
	Offset [mm]:	74
8 043 43 004	Universal head +155° adj. ER11 AX IC	
	Weight [kg]:	4.500
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:2
	Torque max [Nm]:	5
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	25
	Offset [mm]:	74
8 043 44 001	Universal head + 90° adjustable ER 16	
	Weight [kg]:	4.070
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	180° reversible
	Center distance [mm]:	25
	Offset [mm]:	72
8 043 44 051	Universal head + 60°/- 5° adj. ER16AX UT	
	Weight [kg]:	3.640
	Notation:	offset
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	12000

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Part-#	Name
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Rotating direction: opposite
 Coolant: EXT
 Please note: 180° reversible
 Center distance [mm]: 25
 Offset [mm]: 50

8 043 44 052 Universal head + 60°/- 5° adj. ER16AX UTIK




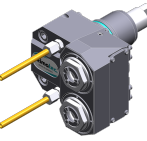
Notation: offset
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 16 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 16
 Rotation max [1/min]: 12000
 Rotating direction: opposite
 Coolant: IC/Ext
 Pressure max [bar]: 140
 Please note: 180° reversible
 Center distance [mm]: 25
 Offset [mm]: 50

8 050 44 010 Multispindle drilling head ER 16 AX UT

Notation: offset
 Version: 3-spindles
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 Shank type: BMT
 Tool adaption: ER 16 A - u-tec
 Gear ratio [i]: 1:1
 Torque max [Nm]: 25
 Rotation max [1/min]: 6000
 Rotating direction: same
 Coolant: EXT
 Please note: 2xER 16 A UT offset, 1x centered


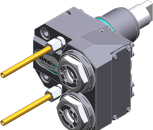

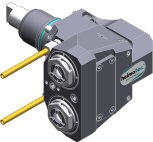
8 050 44 011 Multispindle drilling head ER 16 AX UT

Weight [kg]: 3.810
 Notation: offset; 180° reversible
 Version: 2-spindles in short version
 Tool drive: Flat (~DIN 1809)
 Shank size [mm]: 44.00
 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: same
 Coolant: EXT
 Offset [mm]: 50

Part-#	Name	
8 050 44 018	Multispindle drilling head ER 16 AX UT	
	Weight [kg]:	4.830
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	50
8 050 44 019	Multispindle drilling head ER 16 AX UT	
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	50
8 050 44 024	Multispindle drilling head ER 16 AX UT IC	
	Weight [kg]:	4.840
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Offset [mm]:	50
8 050 44 069	Multispindle drilling head ER 16 AX UT	
	Weight [kg]:	4.060
	Notation:	offset; 180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same

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Part-#	Name	
	Coolant:	EXT
	Offset [mm]:	50
8 050 44 070	Multispindle drilling head ER 16 AX UT IC	
	Weight [kg]:	4.150
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Offset [mm]:	50
8 050 44 071	Multispindle drilling head ER 20 AX UT	
	Weight [kg]:	4.160
	Notation:	offset; 180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 20 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp.
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	50
8 053 44 068	Multispindle radial head ER 16 AX UT	
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	32/Sp
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Pressure max [bar]:	140
	Center distance [mm]:	60
8 053 44 070	Multispindle radial head ER 16 AX UT	
	Weight [kg]:	5.600
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2

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Part-#	Name	
	Torque max [Nm]:	16/Sp
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	60
8 053 44 071	Multispindle radial head ER 16 AX UTIK	
	Weight [kg]:	5.600
	Notation:	180° reversible
	Version:	2-spindles
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	16/Sp
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	60
8 068 44 000	Radial whirling unit HW 46	
	Weight [kg]:	4.960
	Notation:	180° reversible
	Tool drive:	Flat (~DIN 1809)
	Shank size [mm]:	44.00
	Shank type:	BMT
	Tool adaption:	HW 46
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	no
	Please note:	without cutting inserts carrier
	Center distance [mm]:	63
8 200 03 011	Cover plate	
	Weight [kg]:	0.214
	Shank type:	BMT
8 202 10 005	Basic holder longitudinal seat FN 12	
	Weight [kg]:	0.720
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Interface FN 12
	Coolant:	EXT
8 209 48 001	Adapter for sensor Renishaw RLP	
	Weight [kg]:	0.980
	Notation:	180° reversible
	Shank size [mm]:	44.00
	Shank type:	BMT
	Coolant:	no

Part-#	Name	
8 224 11 012	Cut-off holder sq. 20	
	Weight [kg]:	0.920
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 11 013	Cut-off holder sq. 20	
	Weight [kg]:	0.890
	Employment for:	left cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 11 014	Turning holder sq. 3/4"	
	Employment for:	left cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 224 11 015	Cut-off holder sq. 3/4"	
	Weight [kg]:	0.900
	Employment for:	right cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 224 12 008	Cut-off holder SH 26	
	Weight [kg]:	1.010
	Employment for:	Cut-off tool 26
	Version:	Clampshaft on turret center
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 26
	Coolant:	EXT
8 224 12 009	Cut-off holder SH 26	
	Weight [kg]:	1.120
	Employment for:	for cut-off tool 26
	Version:	Clampshaft on turret side
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Clampshaft SH 26
	Coolant:	EXT

Part-#	Name	
8 224 13 006	Cut-off holder SH 32	
	Weight [kg]:	0.800
	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
8 224 14 007	Universal turning holder sq. 20	
	Weight [kg]:	2.030
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	EXT
8 224 14 008	Universal turning holder sq. 3/4"	
	Weight [kg]:	1.970
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 224 14 017	Universal turning holder sq. 20	
	Notation:	180° reversible
	Version:	short
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	EXT
8 224 14 024	Universal turning holder sq. 20 IC	
	Weight [kg]:	1.970
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 224 14 030	Universal turning holder sq. 3/4" IC	
	Weight [kg]:	1.700
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	IC/Ext
	Pressure max [bar]:	100

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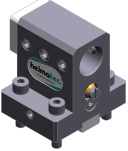



Part-#	Name	
	Please note:	Key rail
8 225 11 006	Cut-off holder sq. 20	
	Weight [kg]:	0.900
	Employment for:	left cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 225 11 007	Cut-off holder sq. 20	
	Weight [kg]:	0.900
	Employment for:	right cutting tools
	Version:	Edge on center of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 225 11 008	Cut-off holder sq. 3/4"	
	Weight [kg]:	0.910
	Employment for:	left cutting tools
	Version:	Edge on side of turret
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 229 15 006	Tool holder C 3 IC	
	Weight [kg]:	1.880
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability, tool length check!
	Offset [mm]:	45
8 240 15 011	Collet chuck holder ER 25	
	Weight [kg]:	1.910
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25
	Coolant:	IC/Ext
	Center distance [mm]:	60
8 240 15 024	Collet chuck holder ER 25 AX UT	
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25 A - u-tec
	Coolant:	IC/Ext
	Center distance [mm]:	75

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Part-#	Name	
8 240 15 025	Collet chuck holder ER 25 AX UT	
	Weight [kg]:	2.100
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	ER 25 A - u-tec
	Coolant:	IC/Ext
	Center distance [mm]:	60
8 240 15 042	Tool holder C 3 IC	
	Weight [kg]:	2.300
	Notation:	180° reversible
	Version:	offset; right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	70
8 240 15 043	Tool holder C 3 IC	
	Weight [kg]:	2.470
	Notation:	180° reversible
	Version:	right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 3
	Coolant:	IC
	Please note:	Check applicability; note tool length
	Center distance [mm]:	70
8 240 16 007	Boring bar holder Ø 20	
	Weight [kg]:	2.130
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 20
	Coolant:	IC/Ext
	Center distance [mm]:	75
8 240 16 068	Tool holder C 4 IC	
	Notation:	180° reversible
	Version:	offset; right
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	heimatec Capto(TM) C 4
	Coolant:	IC
	Pressure max [bar]:	100
	Please note:	Check applicability; note tool length!
	Center distance [mm]:	75

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Part-#	Name	
8 240 17 009	Boring bar holder Ø 25	
	Weight [kg]:	1.740
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	60
8 240 17 020	Boring bar holder Ø 25	
	Weight [kg]:	2.050
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	75
8 240 17 029	Boring bar holder Ø 1"	
	Weight [kg]:	2.050
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	75
8 240 17 083	Boring bar holder Ø 25	
	Notation:	180° reversible special
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Please note:	Tool holder on turret center
	Center distance [mm]:	60
8 240 17 086	Boring bar holder Ø 25	
	Weight [kg]:	3.540
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Please note:	Tool adaption on turret center
	Center distance [mm]:	75
8 240 18 025	Boring bar holder Ø 32	
	Weight [kg]:	3.610
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	Tool adaption to turret center




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Part-#	Name	
	Center distance [mm]:	75
8 240 18 027	Boring bar holder Ø 32	
	Weight [kg]:	2.900
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	Tool holder on turret center
	Center distance [mm]:	60
8 240 18 048	Boring bar holder Ø 1 1/4 "	
	Weight [kg]:	2.750
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Please note:	Tool holder on turret center
	Center distance [mm]:	60
8 240 18 052	Boring bar holder Ø 1 1/4 "	
	Weight [kg]:	3.140
	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]:	75
8 240 18 076	Boring bar holder Ø 32	
	Weight [kg]:	3.400
	Notation:	180° reversible
	Version:	offset
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	Tool adaption on turret center
	Center distance [mm]:	75
8 244 11 003	Facing holder sq. 20	
	Weight [kg]:	2.550
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
	Coolant:	EXT

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Part-#	Name	
8 244 11 006 	Facing holder sq. 3/4" Weight [kg]: Notation: Shank type: Machine adaption: Tool adaption: Coolant:	2.460 180° reversible BMT Centering key b 20 Sq. 3/4" (19,05mm) EXT
8 249 15 008 	Double collet chuck holder ER 25 AX UT Weight [kg]: Notation: Shank type: Machine adaption: Tool adaption: Coolant: Center distance [mm]:	3.110 180° reversible BMT Centering key b 20 ER 25 A - u-tec IC/Ext 75
8 249 15 014	Double tool holder C 3 IC Weight [kg]: Notation: Employment for: Shank type: Machine adaption: Tool adaption: Coolant: Please note: Center distance [mm]:	3.500 180° reversible Main- and sub spindle BMT Centering key b 20 heimatec Capto(TM) C 3 heimatec Capto(TM) C 3 IC Check applicability!; note tool length! 70
8 251 11 004 	Double turning holder sq. 20 Weight [kg]: Notation: Employment for: Shank type: Machine adaption: Tool adaption: Coolant:	3.250 180° reversible right cutting tools BMT Centering key b 20 Sq. 20 Sq. 20 EXT
8 251 11 005	Double turning holder sq. 16 Weight [kg]: Notation: Shank type: Machine adaption: Tool adaption: Coolant:	3.360 180° reversible BMT Centering key b 20 Sq. 16 EXT
8 251 11 008	Double turning holder sq. 3/4" Weight [kg]: Notation: Employment for: Shank type: Machine adaption: Tool adaption: Coolant:	3.240 180° reversible right cutting tools BMT Centering key b 20 Sq. 3/4" (19,05mm) Sq. 3/4" (19,05mm) EXT

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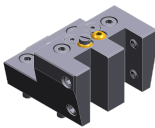


Part-#	Name	
8 251 13 021	Combi multiple holder 6x sq. 3/4" IC	
	Weight [kg]:	4.020
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 251 13 022	Combi multiple holder 3x sq. 3/4" IC	
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 251 14 013	Combi multiple holder 6x sq. 20	
	Weight [kg]:	3.890
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	EXT
	Pressure max [bar]:	80
8 251 14 023	Combi multiple holder 6x sq. 3/4"	
	Weight [kg]:	4.080
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 3/4"
		Sq. 3/4"
		Sq. 3/4"
		Sq. 3/4"
	Coolant:	EXT
8 251 14 069	Double turning holder sq. 20	
	Weight [kg]:	3.970
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	EXT

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Part-#	Name	
8 251 14 080	Combi multiple holder 6x sq. 20 IC	
	Weight [kg]:	4.100
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 251 14 081	Combi multiple holder 3x sq. 20 IC	
	Weight [kg]:	2.550
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 251 14 099	Combi double turning holder sq. 20 IC	
	Weight [kg]:	3.140
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Sq. 20
		Sq. 20
		Sq. 20
		Sq. 20
	Coolant:	IC/Ext
	Pressure max [bar]:	100
	Please note:	Key rail
8 253 17 103	Multiple boring bar holder 2x Ø 25	
	Weight [kg]:	4.030
	Notation:	180° reversible
	Employment for:	Main- and sub spindle
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
		Ø 25 - 15°
	Coolant:	IC/Ext
	Center distance [mm]:	75
8 253 17 111	Double boring bar holder 2x Ø 25	
	Weight [kg]:	2.600
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key b 20
	Tool adaption:	Ø 25
		Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	60/90

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Part-#	Name	
8 259 11 002	Multiple turning holder 2x sq. 20	
		Weight [kg]: 2.080 Notation: 180° reversible Version: Y-axes offset Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: Sq. 20 Sq. 20 Coolant: EXT
8 259 17 007	Multiple holder Ø 25 and sq. 20	
		Employment for: Main- and sub spindle Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: Sq. 20 Sq. 20 Sq. 20 Sq. 20 Coolant: IC/Ext Center distance [mm]: 75
8 259 17 010	Multiple holder Ø 25 and sq. 20	
		Weight [kg]: 3.020 Employment for: Main- and sub spindle Shank type: BMT Machine adaption: Centering key b 20 Tool adaption: Sq. 20 Ø 25 Coolant: IC/Ext Center distance [mm]: 60
8 261 18 006	Tool holder for centering insert	
		Weight [kg]: 2.600 Notation: 180° reversible Shank type: BMT Machine adaption: Centering key slot b 20 Tool adaption: Ø 32 Coolant: EXT Please note: Price without centering point Center distance [mm]: 60
8 263 19 037	Tool holder with rotating centering point	
		Weight [kg]: 3.750 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]: 85

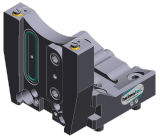
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Part-#	Name
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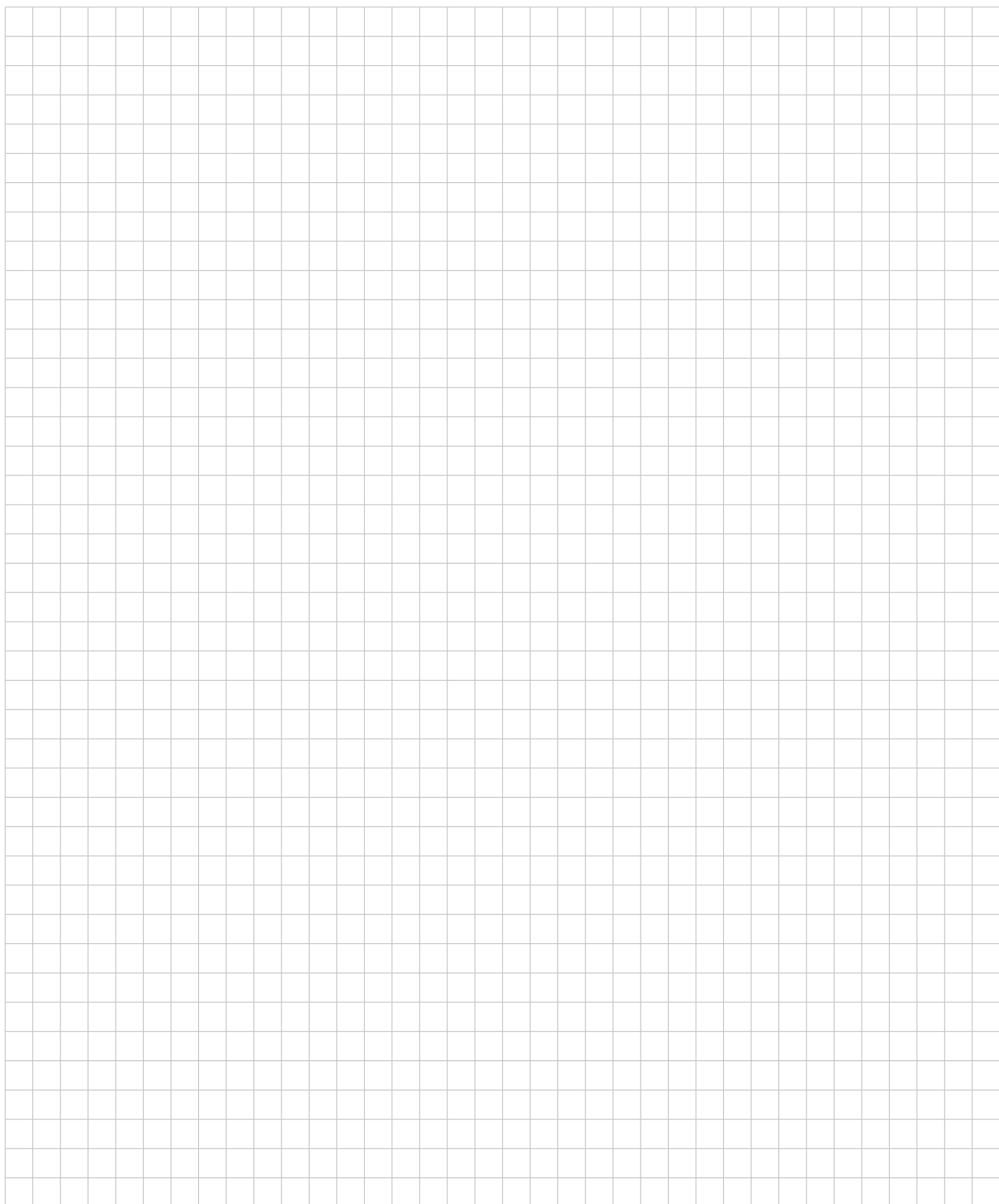
8 320 12 007 **Cut-off holder, height adjustable SH 26 IC**

Weight [kg]: 1.230
Notation: 180° reversible
Shank type: BMT
Machine adaption: Centering key b 20
Tool adaption: Clampshaft SH 26
Coolant: IC/Ext
Pressure max [bar]: 70

8 320 13 003 **Cut-off holder, height adjustable SH 32 IC**



Weight [kg]: 1.300
Notation: 180° reversible
Shank type: BMT
Machine adaption: Centering key b 20
Tool adaption: Clampshaft SH 32
Coolant: IC/Ext
Pressure max [bar]: 70



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