

Gildemeister **MF Twin 65**



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 24 067	Axial drilling and milling head Weldon 14	
	Version:	Special
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 14
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing, special length
8 010 25 090	Axial drilling and milling head ER 25	
	Weight [kg]:	1.580
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	round housing Ø 68
8 010 25 091	Axial drilling and milling head ER 25 IC	
	Weight [kg]:	1.830
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	round housing Ø 68
8 010 25 118	Axial drilling and milling head ER 25 AX UT	
	Weight [kg]:	1.780
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing

Part-#	Name	
8 010 25 119	Axial drilling and milling head ER 25 AX UT IC	
	Weight [kg]:	1.780
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	round housing ø 68
8 010 25 154	Axial drilling and milling head ER 25 AX UT	
	Weight [kg]:	1.830
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
8 013 22 000	Axial drilling and milling head Weldon 6	
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 6
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
8 013 24 014	Axial drilling and milling head Weldon 10	
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 10
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
8 013 25 007	Axial drilling and milling head Weldon 16	
	Weight [kg]:	4.320
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Weldon (DIN 1835 b) 16

Part-#	Name	
	Gear ratio [i]:	1:2
	Torque max [Nm]:	8
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
8 014 25 002	Axial milling head universal arbor 22	
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	3000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
8 018 24 002	Axial drilling and milling head ER 16 AX	
	Weight [kg]:	2.800
	Notation:	Y-axes adjustable ± 21 mm
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 16 A
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
8 019 22 001	Axial drilling and milling head ER 8 M	
	Notation:	offset
	Version:	Special; left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 8
	Gear ratio [i]:	1:2,174
	Torque max [Nm]:	5
	Rotation max [1/min]:	9000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	Special version
	Offset [mm]:	70
8 019 25 008	Axial milling head universal arbor 1"	
	Weight [kg]:	5.300
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 1" (25,4mm)
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	4000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	34,5
8 019 25 021	Axial drilling and milling head ER 25	
	Weight [kg]:	4.320
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	34,5
8 019 25 025	Axial milling head universal arbor 22	
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 22
	Gear ratio [i]:	2:1
	Torque max [Nm]:	40
	Rotation max [1/min]:	4000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	34,5
8 019 25 027	Axial drilling and milling head ER 25 IC	
	Weight [kg]:	4.360
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:3
	Torque max [Nm]:	6
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	stronger bearing
	Offset [mm]:	34,5

Part-#	Name
8 019 26 002	Axial drilling and milling head HT 4 IC
	Weight [kg]: 4.300
	Notation: offset
	Version: right
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: HT 4
	Gear ratio [i]: 1:2
	Torque max [Nm]: 12
	Rotation max [1/min]: 12000
	Rotating direction: opposite
	Coolant: IC/Ext
	Pressure max [bar]: 25
	Offset [mm]: 34,5
8 030 22 003	Radial drilling and milling head Weldon 6
	Version: right
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: Weldon (DIN 1835 b) 6
	Gear ratio [i]: 1:2
	Torque max [Nm]: 8
	Rotation max [1/min]: 8000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100
8 030 24 036	Radial drilling and milling head ER 20 AX
	Version: left
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ER 20 A
	Gear ratio [i]: 1:2
	Torque max [Nm]: 8
	Rotation max [1/min]: 12000
	Rotating direction: opposite
	Coolant: EXT
	Please note: Old turret locator distance 46 mm
	Center distance [mm]: 100
8 030 24 037	Radial drilling and milling head ER 20 AX
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ER 20 A
	Gear ratio [i]: 1:2
	Torque max [Nm]: 8
	Rotation max [1/min]: 12000
	Rotating direction: opposite
	Coolant: EXT
	Please note: Old turret locator distance 46 mm
	Center distance [mm]: 100

Part-#	Name
8 030 24 040	Radial drilling and milling head ER 20 AX
	Weight [kg]: 4.760
	Version: left
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ER 20 A
	Gear ratio [i]: 1:2
	Torque max [Nm]: 8
	Rotation max [1/min]: 8000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100
8 030 24 067	Radial drilling and milling head ER 20 AX
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ER 20 A
	Gear ratio [i]: 1:2
	Torque max [Nm]: 8
	Rotation max [1/min]: 8000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100
8 030 24 086	Radial drilling and milling head Weldon 10
	Version: right
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: Weldon (DIN 1835 b) 10
	Gear ratio [i]: 1:2
	Torque max [Nm]: 8
	Rotation max [1/min]: 8000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100
8 030 25 021	Radial drilling and milling head ER 25
	Weight [kg]: 3.970
	Version: right
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ER 25
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100

Part-#	Name
8 030 25 055	Radial drilling and milling head ER 25
	Weight [kg]: 4.020
	Version: left
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ER 25
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100
8 030 25 058	Radial drilling and milling head Weldon 16 IC
	Version: left
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: Weldon (DIN 1835 b) 16
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: IC/Ext
	Center distance [mm]: 100
8 030 26 013	Radial drilling and milling head Weldon 20 IC
	Weight [kg]: 4.620
	Version: left
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: Weldon (DIN 1835 b) 20
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: IC/Ext
	Please note: stronger bearing
	Center distance [mm]: 100
8 030 26 055	Radial drilling and milling head HT 4
	Weight [kg]: 4.820
	Version: left
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: HT 4
	Gear ratio [i]: 1:3
	Torque max [Nm]: 8
	Rotation max [1/min]: 15000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 100

Part-#	Name	
8 031 26 016	Radial milling head universal arbor 27	
	Weight [kg]:	3.430
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 27
	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]:	64
8 033 25 106	Radial drilling and milling head ER 25 IC	
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	100
8 033 26 017	Radial drilling and milling head HT 4 IC	
	Weight [kg]:	5.860
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	100
8 033 26 018	Radial drilling and milling head HT 4	
	Weight [kg]:	5.640
	Notation:	offset
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Gear ratio [i]:	1:3
	Torque max [Nm]:	8
	Rotation max [1/min]:	12000
	Rotating direction:	same

Part-#	Name	
	Coolant:	EXT
	Center distance [mm]:	100
8 036 25 002	Radial drilling and milling head ER 25 IC	
	Weight [kg]:	3.990
	Version:	doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	100
8 036 25 003	Radial drilling and milling head ER 25	
	Weight [kg]:	3.990
	Version:	doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	100
8 036 25 008	Radial drilling and milling head ER 25	
	Weight [kg]:	3.540
	Version:	doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	85
8 036 25 038	Radial drilling and milling head ER 25 IC	
	Weight [kg]:	3.940
	Version:	doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext

Part-#	Name
	Pressure max [bar]: 140 Center distance [mm]: 85
8 036 25 041	Radial drilling and milling head ER 25 AX UT Weight [kg]: 4.220 Notation: 180° reversible Version: doubletoothed Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI 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]: 100
8 036 25 042	Radial drilling and milling head ER 25 AX UT IC Weight [kg]: 4.640 Notation: 180° reversible Version: doubletoothed Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI 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]: 100
8 036 26 038	Radial drilling and milling head HT 4 IC Notation: 180° reversible Version: doubletoothed Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: HT 4 Gear ratio [i]: 1:1 Torque max [Nm]: 25 Rotation max [1/min]: 6000 Rotating direction: opposite Coolant: IC/Ext Pressure max [bar]: 140 Center distance [mm]: 85
8 039 24 008	Radial drilling and milling head ER 20 Version: double spindle Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 20 Gear ratio [i]: 1:1

Part-#	Name	
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Center distance [mm]:	100
8 039 24 011	Radial milling head universal arbor 16	
	Version:	double spindle
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Universal arbor 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
8 039 25 006	Radial drilling and milling head ER 25	
	Weight [kg]:	4.440
	Version:	double spindle
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	100
8 039 25 053	Radial drilling and milling head ER 25	
	Weight [kg]:	4.530
	Version:	double spindle; doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	100
8 039 25 070	Radial drilling and milling head ER 25	
	Weight [kg]:	4.330
	Version:	360° turnable
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000

Part-#	Name	
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	85
8 039 26 003	Radial drilling and milling head ER 25 / HT 4	
	Weight [kg]:	4.480
	Version:	double spindle
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
		ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	16
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Center distance [mm]:	100
8 039 26 004	Radial drilling and milling head HT 4	
	Weight [kg]:	4.500
	Version:	double spindle
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	100
8 039 26 021	Radial drilling and milling head HT 4	
	Weight [kg]:	4.600
	Version:	double spindle
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	Fixation slide stone; stronger bearing
	Center distance [mm]:	100
8 039 26 026	Radial drilling and milling head HT 4	
	Version:	double spindle; doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25

Part-#	Name	
	Rotation max [1/min]:	6000
	Rotating direction:	same/opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	100
8 039 29 001	Angle head for adapter v. Microborekopf	
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Centering bore 58,2
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	100
8 040 24 012	Universal head ± 90° adjustable ER 20	
	Weight [kg]:	2.470
	Version:	right
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 20
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Fixation 180° reversible
	Center distance [mm]:	64
8 040 24 032	Universal head ± 90° adjustable HT 2	
	Weight [kg]:	3.080
	Version:	doubletoothed
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 2
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	5000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	Note swivel range
	Center distance [mm]:	97
8 040 24 035	Universal head ± 90° adjustable ER 16	
	Weight [kg]:	2.320
	Version:	right
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	10
	Rotation max [1/min]:	6000

Part-#	Name
	Rotating direction: same Coolant: EXT Please note: Fixation 180° reversible Center distance [mm]: 64
8 040 24 059	Universal head ± 90° adjustable ER 16 AX UT
	Weight [kg]: 4.430 Version: left Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:2 Torque max [Nm]: 12 Rotation max [1/min]: 12000 Rotating direction: opposite Coolant: EXT Center distance [mm]: 88
8 040 24 075	Universal head ± 90° adjustable ER 16 AX UT IC
	Weight [kg]: 4.450 Version: left Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 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 Center distance [mm]: 88
8 040 24 077	Universal head ± 90° adjustable ER 16 AX UT
	Version: left Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 25 Rotation max [1/min]: 6000 Rotating direction: opposite Coolant: EXT Center distance [mm]: 88
8 040 24 078	Universal head ± 90° adjustable ER 16 AX UT IC
	Version: left Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:2 Torque max [Nm]: 12 Rotation max [1/min]: 12000 Rotating direction: opposite Coolant: IC/Ext

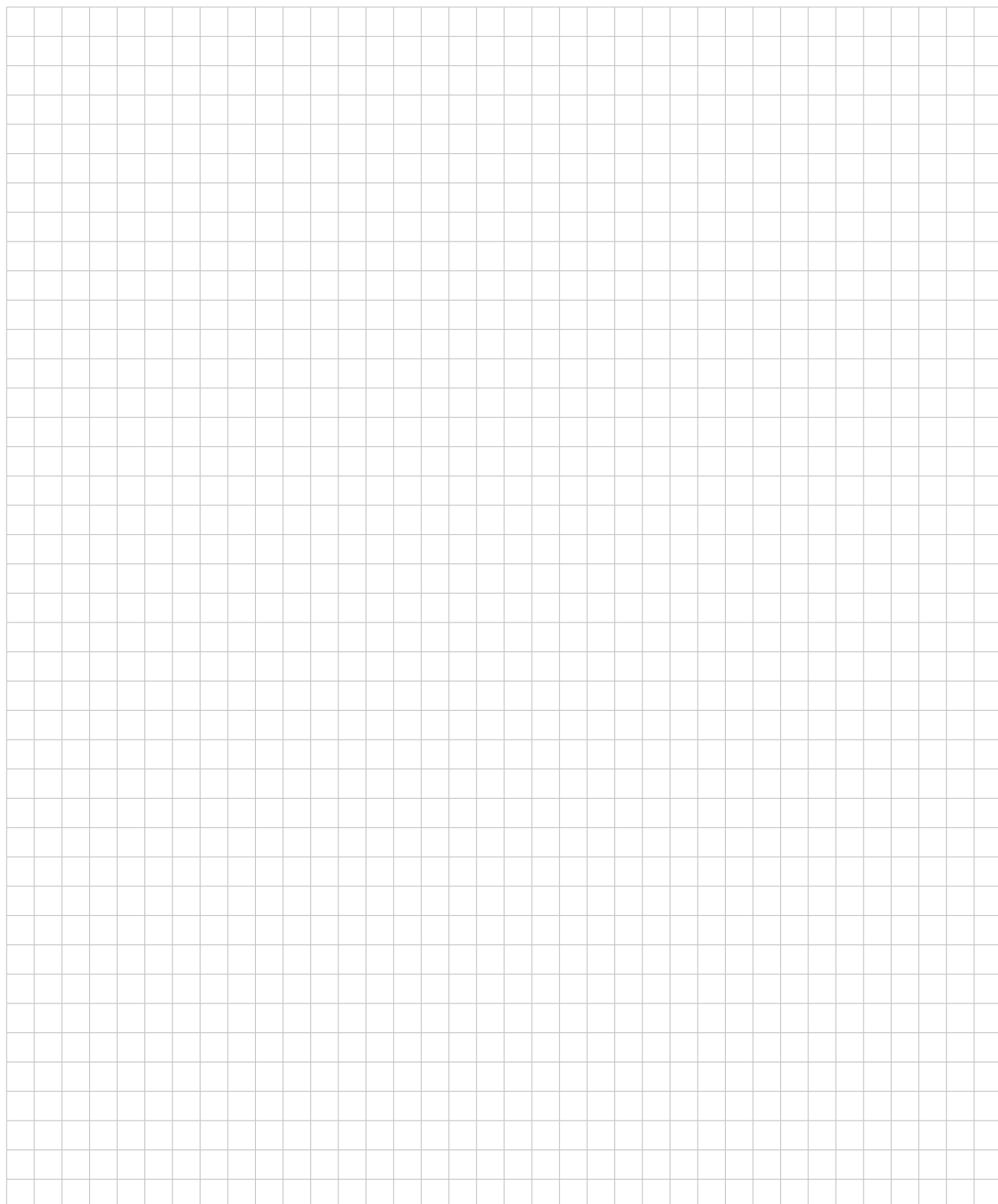
Part-#	Name
	Pressure max [bar]: 140 Center distance [mm]: 88
8 040 24 079	Universal head ± 90° adjustable ER 16 AX UT Version: right Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:1 Torque max [Nm]: 25 Rotation max [1/min]: 6000 Rotating direction: opposite Coolant: EXT Center distance [mm]: 88
8 040 24 081	Universal head ± 90° adjustable ER 16 AX UT IC Weight [kg]: 4.450 Version: right Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 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 Center distance [mm]: 88
8 040 24 084	Universal head ± 90° adjustable ER 16 AX UT Weight [kg]: 4.440 Version: right Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:2 Torque max [Nm]: 12 Rotation max [1/min]: 12000 Rotating direction: opposite Coolant: EXT Center distance [mm]: 88
8 040 24 087	Universal head ± 90° adjustable ER 16 AX UT IC Version: right Tool drive: DIN 5480 Shank size [mm]: 30.00 Shank type: VDI Tool adaption: ER 16 A - u-tec Gear ratio [i]: 1:2 Torque max [Nm]: 12 Rotation max [1/min]: 12000 Rotating direction: opposite Coolant: IC/Ext Pressure max [bar]: 140 Center distance [mm]: 88

Part-#	Name	
8 040 24 108	Universal head ± 90° adjustable ER 16 AX UT	
	Weight [kg]:	4.470
	Version:	left, at +45° position can be pinned
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	88
8 040 25 021	Universal head ± 90° adjustable ER 25 AX UT	
	Weight [kg]:	4.630
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	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]:	88
8 040 25 022	Universal head ± 90° adjustable ER 25 AX UT IC	
	Weight [kg]:	4.650
	Version:	left
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	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]:	88
8 040 25 032	Universal head ± 90° adjustable ER 25 AX UT	
	Weight [kg]:	4.660
	Version:	right
	Tool drive:	DIN 5480
	Shank size [mm]:	30.00
	Shank type:	VDI
	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

Part-#	Name
	Center distance [mm]: 88
8 040 25 040	Universal head $\pm 90^\circ$ adjustable ER 25 AX UT IC
	Weight [kg]: 3.500
	Version: right
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	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]: 88
8 049 24 000	Universal head $\pm 90^\circ$ adjustable ER 16
	Version: 360° turnable
	Tool drive: DIN 5480
	Shank size [mm]: 30.00
	Shank type: VDI
	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]: 95
8 210 25 008	Tool holder VDI 30 - ABS 50
	Employment for: left cutting tools
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: ABS 50
8 210 26 011	Tool holder HT 4 IC
	Weight [kg]: 1.270
	Version: right
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: HT 4
	Coolant: IC/Ext
8 210 26 012	Tool holder HT 4 IC
	Version: left
	Shank size [mm]: 30.00
	Shank type: VDI
	Tool adaption: HT 4
	Coolant: IC/Ext

Part-#	Name	
8 230 25 007	Collet chuck holder ER 25	
	Weight [kg]:	3.870
	Version:	right
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Coolant:	IC/Ext
	Please note:	demountable in left version
	Center distance [mm]:	100
8 230 26 022	Tool holder HT 4	
	Weight [kg]:	3.940
	Version:	doubletoothed
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Coolant:	IC/Ext
	Please note:	HT- insert demountable
	Center distance [mm]:	100
8 230 26 023	Tool holder HT 4	
	Version:	right
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Coolant:	IC/Ext
	Please note:	demountable in left version
	Center distance [mm]:	100
8 230 28 003	Boring bar holder Ø 32	
	Weight [kg]:	4.455
	Version:	right
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	demountable in left version
	Center distance [mm]:	100
8 231 25 000	Collet chuck holder ER 25	
	Weight [kg]:	3.880
	Version:	left
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Coolant:	IC/Ext
	Please note:	demountable in right version
	Center distance [mm]:	100
8 231 26 011	Tool holder HT 4	
	Version:	left
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Coolant:	IC/Ext
	Please note:	demountable in right version
	Center distance [mm]:	100

Part-#	Name	
8 239 26 013	Double tool holder HT 4	
	Employment for:	Main- and sub spindle
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	HT 4
	Coolant:	IC/Ext
	Center distance [mm]:	100
8 239 27 006	Double boring bar holder Ø 25	
	Shank size [mm]:	30.00
	Shank type:	VDI
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	100
8 239 28 000	Double boring bar holder Ø 32	
	Weight [kg]:	6.240
	Shank size [mm]:	30.00
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	100



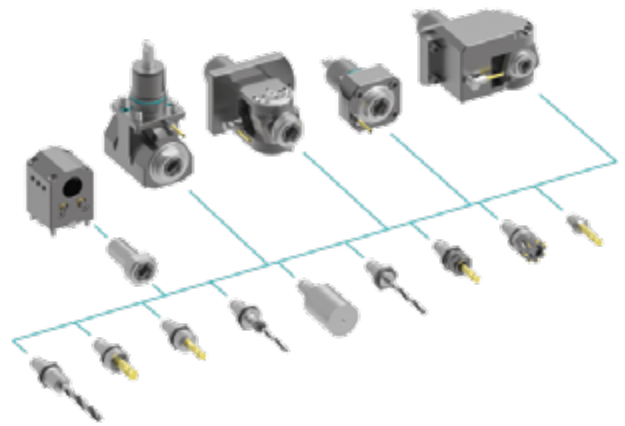
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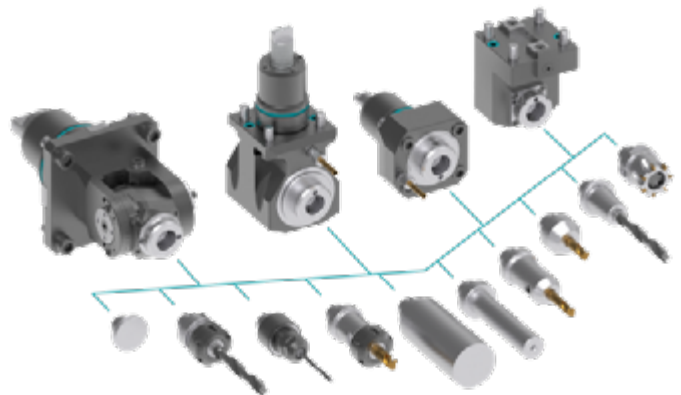
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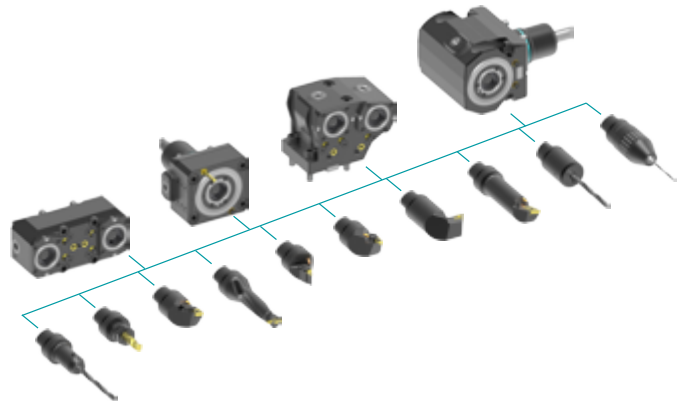
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