

Realmeca  
**VDI 16 Zahnrad**  
**13x1**



# High-tech from heimatec - heimatec - Tools and systems for productive turning and milling

heimatec belongs to the international technology and quality leaders for precision tools and specializes in the development and production of high-precision static and live tools for all CNC lathes, CNC turn-/mill machines and CNC machining centers.

The range of products\* spans from static BMT and VDI tool holders, live tools up to highly complex customer-specific individual solutions. heimatec, headquartered in Renchen, has a own subsidiary in Asia and India and numerous representatives as well as trading partners all over the world.

## \*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems




Tool systems for gear production

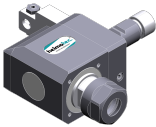
Digital tool management

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Part-#	Name	
<b>8 010 03 000</b>	<b>Axial drilling and milling head ER 11</b>	
	Weight [kg]:	0.700
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 11
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 010 04 000</b>	<b>Axial drilling and milling head ER 16</b>	
	Weight [kg]:	0.690
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 011 03 000</b>	<b>Axial milling head arbor 13</b>	
	Tool drive:	Gear
	Shank type:	VDI
	Tool adaption:	Arbor 13
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
<b>8 019 03 000</b>	<b>Axial drilling and milling head ER 11</b>	
	Weight [kg]:	1.110
	Notation:	offset
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 11
	Gear ratio [i]:	1:2
	Torque max [Nm]:	3
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	20
<b>8 030 03 000</b>	<b>Radial drilling and milling head ER 11</b>	
	Weight [kg]:	0.960
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 11
	Gear ratio [i]:	1:1

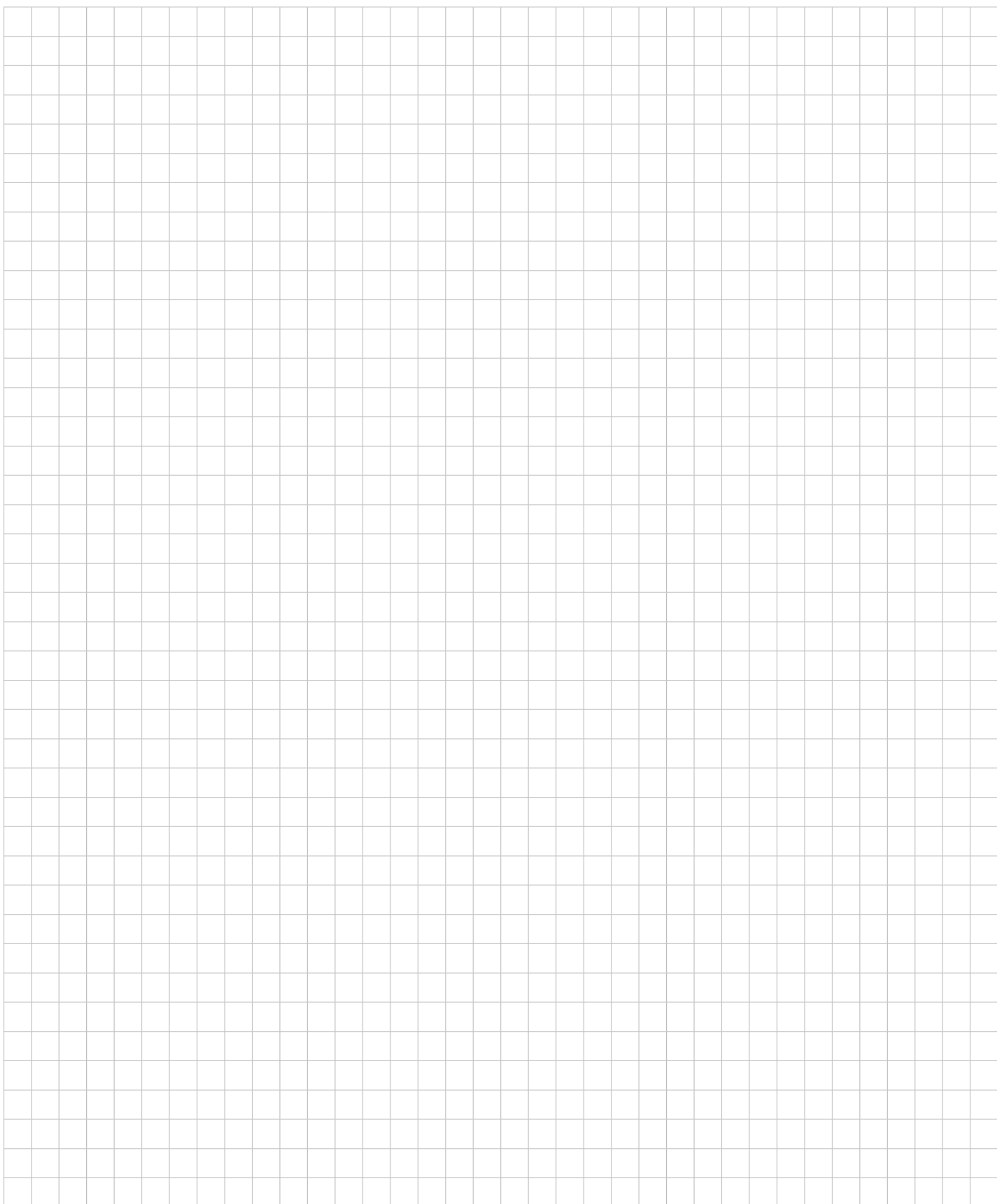
Part-#	Name	
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	39
<b>8 030 04 000</b>	<b>Radial drilling and milling head ER 16</b>	
	Weight [kg]:	0.700
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	8000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	39
<b>8 033 03 001</b>	<b>Radial drilling and milling head ER 11</b>	
	Weight [kg]:	1.220
	Notation:	offset
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 11
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	50
<b>8 033 03 002</b>	<b>Radial drilling and milling head ER 11</b>	
	Weight [kg]:	1.300
	Notation:	offset
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 11
	Gear ratio [i]:	1:1,556
	Torque max [Nm]:	4
	Rotation max [1/min]:	12000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	50
<b>8 033 04 001</b>	<b>Radial drilling and milling head ER 16</b>	
	Weight [kg]:	1.240
	Notation:	offset
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 16

Part-#	Name	
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	50
<b>8 033 04 005</b>	<b>Radial drilling and milling head ER 16 IC</b>	
	Notation:	offset
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	8000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Center distance [mm]:	50
<b>8 040 03 000</b>	<b>Universal head ± 90° adjustable ER 11 AX</b>	
	Weight [kg]:	2.020
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 11 A
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	6300
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	74
<b>8 040 04 000</b>	<b>Universal head ± 90° adjustable ER 16</b>	
	Weight [kg]:	2.040
	Version:	right
	Tool drive:	Gear
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 16
	Gear ratio [i]:	1:1
	Torque max [Nm]:	6,3
	Rotation max [1/min]:	6300
	Rotating direction:	same
	Coolant:	EXT
	Center distance [mm]:	74
<b>8 200 01 001</b>	<b>Plug Z2-16 K</b>	
	Weight [kg]:	0.014
	Shank size [mm]:	16.00
	Shank type:	VDI
<b>8 200 01 002</b>	<b>Plug Z2-16 S</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI

Part-#	Name	
<b>8 210 02 000</b>	<b>Tool holder E2-16x 6</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Ø 6
	Coolant:	IC/Ext
<b>8 210 03 000</b>	<b>Tool holder E2-16x 8</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Ø 8
	Coolant:	IC/Ext
<b>8 210 03 001</b>	<b>Short drill chuck VDI 16x 8</b>	
	Weight [kg]:	0.580
	Shank size [mm]:	16.00
	Shank type:	VDI
	Coolant:	EXT
<b>8 210 03 002</b>	<b>Short drill chuck VDI 16x 8 - IC</b>	
	Weight [kg]:	0.580
	Shank size [mm]:	16.00
	Shank type:	VDI
	Coolant:	IC
<b>8 210 04 001</b>	<b>Tool holder E4-16xER 20</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 20
	Coolant:	IC
<b>8 210 04 003</b>	<b>Tool holder E2-16x10</b>	
	Weight [kg]:	0.340
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Ø 10
	Coolant:	IC/Ext
<b>8 210 04 004</b>	<b>Tool holder E4-16xER 16</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	ER 16
	Coolant:	IC
<b>8 210 05 000</b>	<b>Tool holder E2-16x16</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Ø 16
	Coolant:	IC/Ext
<b>8 210 06 000</b>	<b>Tool holder E2-16x20</b>	
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Ø 20
	Coolant:	IC/Ext

Part-#	Name	
<b>8 214 01 000</b>	<b>Tool holder C3-16x12</b>	
	Weight [kg]:	0.440
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Sq. 12
	Coolant:	EXT
<b>8 214 01 001</b>	<b>Tool holder C1-16x12</b>	
	Weight [kg]:	0.500
	Employment for:	VDI 16
	Version:	right
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Sq. 12
	Coolant:	EXT
<b>8 234 01 000</b>	<b>Tool holder B1-16x12x24</b>	
	Employment for:	VDI 16
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Sq. 12/8
	Coolant:	EXT
<b>8 234 01 001</b>	<b>Tool holder B3-16x12x24</b>	
	Weight [kg]:	0.300
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Sq. 12
	Coolant:	EXT
<b>8 234 01 004</b>	<b>Tool holder B3-16x12x34</b>	
	Weight [kg]:	0.400
	Employment for:	VDI 16
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Sq. 12/8
	Coolant:	EXT
<b>8 234 01 005</b>	<b>Tool holder B1-16x12x34</b>	
	Weight [kg]:	0.380
	Employment for:	VDI 16
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Sq. 12/8
	Coolant:	EXT
<b>8 262 07 000</b>	<b>Stock stop VDI 16 - Ø 28</b>	
	Notation:	rotating
	Shank size [mm]:	16.00
	Shank type:	VDI
	Please note:	Lenght adjustable 50-70mm

Part-#	Name	
<b>8 262 08 000</b>	<b>Stock stop VDI 16 - Ø 35</b>	
	Weight [kg]:	0.320
	Notation:	rotating
	Shank size [mm]:	16.00
	Shank type:	VDI
	Please note:	Lenght adjustable 50-70mm
<b>8 262 09 000</b>	<b>Stock stop VDI 16 - Ø 45</b>	
	Notation:	rotating
	Shank size [mm]:	16.00
	Shank type:	VDI
	Please note:	Lenght adjustable 50-70mm
<b>8 320 01 004</b>	<b>Cut-off holder, height adjustable SH 19</b>	
	Weight [kg]:	0.560
	Shank size [mm]:	16.00
	Shank type:	VDI
	Tool adaption:	Clampshaft SH 19
	Coolant:	EXT





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