

Goodway
GLS 150 M -
Zweiflach
BMT 45



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

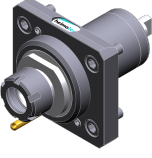


Tool systems for gear production


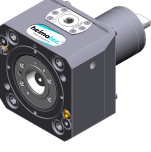
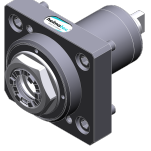
Digital tool management


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The current version of our General Terms and Conditions can be found on our website.

| Part-# | Name | |
|---|---|------------------|
| 8 010 45 047 | Axial drilling and milling head ER 25 M | |
|  | Weight [kg]: | 1.740 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Tool adaption: | ER 25 M |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| 8 010 45 050 | Axial drilling and milling head ER 25 M IC | |
|  | Weight [kg]: | 2.000 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| 8 010 45 061 | Axial drilling and milling head ER 25 | |
| | Weight [kg]: | 1.780 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| 8 010 45 096 | Axial drilling and milling head ER 25 AX UT IC | |
|  | Weight [kg]: | 2.000 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | Combi bearing |

| Part-# | Name | |
|---|--|--|
| 8 010 45 103 | Axial milling and drill holder ER 25 AX UT | |
|  | Weight [kg]: | 1.870 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| 8 010 45 181 | Axial drilling and milling head C 3 IC | |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 8000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Check applicability; tool length check ! |
| 8 010 45 183 | Axial drilling and milling head C 3 | |
|  | Weight [kg]: | 3.800 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 32 |
| | Rotation max [1/min]: | 8000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | Check applicability; tool length check ! |
| 8 010 45 224 | Axial drilling and milling head ER 25 AX UT | |
|  | Weight [kg]: | 1.900 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 15000 |
| | Rotating direction: | same |
| | Coolant: | EXT |

| Part-# | Name | | |
|---|--|---|------------------|
|  | 8 010 45 225 | Axial drilling and milling head ER 25 AX UT IC | |
| | | Weight [kg]: | 2.100 |
| | | Tool drive: | Flat (~DIN 1809) |
| | | Shank size [mm]: | 45.00 |
| | | Shank type: | BMT |
| | | Tool adaption: | ER 25 A - u-tec |
| | | Gear ratio [i]: | 1:1 |
| | | Torque max [Nm]: | 50 |
| | | Rotation max [1/min]: | 12000 |
| | | Rotating direction: | same |
| | | Coolant: | IC/Ext |
| | | Pressure max [bar]: | 100 |
| | | Please note: | Dryrun possible |
| | 8 010 46 092 | Axial drilling and milling head HT 4 | |
| | | Weight [kg]: | 1.700 |
| | | Tool drive: | Flat (~DIN 1809) |
| | | Shank size [mm]: | 45.00 |
| | | Shank type: | BMT |
| | | Tool adaption: | HT 4 |
| | | Gear ratio [i]: | 1:1 |
| | | Torque max [Nm]: | 50 |
| | | Rotation max [1/min]: | 6000 |
| | | Rotating direction: | same |
| | Coolant: | EXT | |
| 8 010 46 112 | Axial drilling and milling head HT 4 IC | | |
| | | Weight [kg]: | 1.980 |
| | | Tool drive: | Flat (~DIN 1809) |
| | | Shank size [mm]: | 45.00 |
| | | Shank type: | BMT |
| | | Tool adaption: | HT 4 |
| | | Gear ratio [i]: | 1:1 |
| | | Torque max [Nm]: | 50 |
| | | Rotation max [1/min]: | 6000 |
| | | Rotating direction: | same |
| | Coolant: | IC/Ext | |
| | Pressure max [bar]: | 25 | |
| 8 010 46 206 | Axial drilling and milling head ER 32 AX UT | | |
| | | Weight [kg]: | 2.110 |
| | | Version: | Special |
| | | Tool drive: | Flat (~DIN 1809) |
| | | Shank size [mm]: | 45.00 |
| | | 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 |
| | Coolant: | EXT | |
| | Please note: | stronger bearing | |

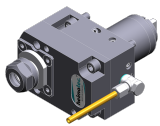
| Part-# | Name | |
|---|--|--------------------------------|
| 8 011 44 010 | Axial milling head universal arbor 16 | |
|  | Weight [kg]: | 1.820 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Universal arbor 16 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | Taper roller bearings |
| 8 011 44 021 | Axial milling head universal arbor 3/4" | |
| | Weight [kg]: | 1.840 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Universal arbor 3/4" (19,05mm) |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | Taper roller bearings |
| 8 011 45 018 | Axial milling head universal arbor 22 | |
|  | Weight [kg]: | 1.940 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Universal arbor 22 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | Taper roller bearings |
| 8 013 44 022 | Axial drilling and milling head ER 16 AX UT | |
| | Weight [kg]: | 2.350 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |

Part-#

Name

8 013 44 023**Axial drilling and milling head ER 16 AX UT IC**

| | |
|-----------------------|------------------|
| Weight [kg]: | 2.450 |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 45.00 |
| 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]: | 100 |
| Please note: | Dryrun possible |

8 019 44 012**Axial drilling and milling head ER 20**

| | |
|-----------------------|------------------|
| Weight [kg]: | 4.020 |
| Notation: | offset |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 45.00 |
| Shank type: | BMT |
| Tool adaption: | ER 20 |
| Gear ratio [i]: | 1:2 |
| Torque max [Nm]: | 12 |
| Rotation max [1/min]: | 12000 |
| Rotating direction: | opposite |
| Coolant: | EXT |


8 019 44 019**Axial drilling and milling head ER 16 AX UT**

| | |
|-----------------------|------------------|
| Weight [kg]: | 4.260 |
| Notation: | offset |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 45.00 |
| Shank type: | BMT |
| Tool adaption: | ER 16 A - u-tec |
| Gear ratio [i]: | 1:2 |
| Torque max [Nm]: | 12 |
| Rotation max [1/min]: | 10000 |
| Rotating direction: | opposite |
| Coolant: | EXT |
| Please note: | stronger bearing |

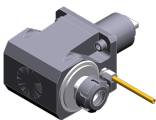
8 019 44 020**Axial drilling and milling head ER 16 M**

| | |
|-----------------------|------------------|
| Weight [kg]: | 3.960 |
| Notation: | offset |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 45.00 |
| Shank type: | BMT |
| Tool adaption: | ER 16 |
| Gear ratio [i]: | 1:3 |
| Torque max [Nm]: | 10 |
| Rotation max [1/min]: | 15000 |
| Rotating direction: | opposite |
| Coolant: | EXT |
| Offset [mm]: | 34,5 |

| Part-# | Name | |
|---------------------|---|-------------------------|
| 8 019 44 060 | Axial drilling and milling head ER 20 | |
| | Weight [kg]: | 4.000 |
| | Notation: | offset |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 20 |
| | Gear ratio [i]: | 1:3 |
| | Torque max [Nm]: | 10 |
| | Rotation max [1/min]: | 15000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Offset [mm]: | 34,5 |
| 8 019 44 073 | Axial drilling and milling head ER 20 AX UT IC | |
| | Weight [kg]: | 4.910 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 20 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Offset [mm]: | 34,5 |
| 8 019 44 078 | Axial drilling and milling head ER 16 AX UT | |
| | Weight [kg]: | 3.890 |
| | Notation: | offset |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:3 |
| | Torque max [Nm]: | 10 |
| | Rotation max [1/min]: | 15000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Offset [mm]: | 34,5 |
| 8 019 44 114 | Axial drilling and milling head ER 20 AX UT | |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 20 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Offset [mm]: | 34,5 |

| Part-# | Name | |
|---|--|-------------------------|
| 8 019 45 093 | Axial drilling and milling head ER 25 AX UT IC | |
| | Weight [kg]: | 5.860 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Offset [mm]: | 69 |
| 8 019 45 102 | Axial drilling and milling head ER 25 AX UT | |
| | Weight [kg]: | 5.400 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Offset [mm]: | 69 |
| 8 030 44 082 | Radial drilling and milling head ER 16 AX UT | |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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]: | 65 |
| 8 030 44 099 | Radial drilling and milling head ER 16 AX UT IC | |
|  | Weight [kg]: | 4.900 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 65 |

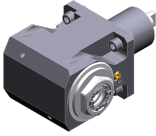

| Part-# | Name | |
|---------------------|--|------------------|
| 8 030 44 109 | Radial drilling and milling head ER 20 AX UT IC | |
| | Weight [kg]: | 5.950 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 20 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 77 |
| 8 030 45 096 | Radial drilling and milling head ER 25 | |
| | Weight [kg]: | 5.190 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 12 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |
| 8 030 45 101 | Radial drilling and milling head ER 25 IC | |
| | Weight [kg]: | 5.450 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 |
| | 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]: | 65 |
| 8 030 45 120 | Radial drilling and milling head ER 25 | |
| | Weight [kg]: | 5.400 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |

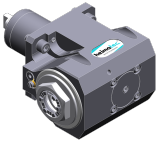



Part-#


Name


| | | |
|---|--|------------------|
| 8 030 45 121 | Radial drilling and milling head ER 25 IC | |
| | Weight [kg]: | 5.570 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | strong version |
| | Center distance [mm]: | 65 |
| 8 030 45 136 | Radial drilling and milling head ER 25 AX UT IC | |
|  | Weight [kg]: | 5.370 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 65 |
| 8 030 45 163 | Angle-mill- and drill holder ER 25 AX UT | |
|  | Weight [kg]: | 5.700 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 030 45 167 | Radial drilling and milling head ER 25 AX UT | |
| | Weight [kg]: | 5.790 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:3 |
| | Torque max [Nm]: | 12 |
| | Rotation max [1/min]: | 18000 |
| | Rotating direction: | same |
| | Coolant: | EXT |

| Part-# | Name | |
|--|--|------------------|
| | Please note: | stronger bearing |
| | Center distance [mm]: | 77 |
| 8 030 45 169 | Radial drilling and milling head ER 25 AX UT | |
|  | Weight [kg]: | 5.340 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |
| 8 030 45 198 | Angle-mill- and drill holder ER 25 AX UT IC | |
|  | Weight [kg]: | 5.800 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 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 |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 030 45 211 | Radial drilling and milling head ER 25 AX UT | |
| | Weight [kg]: | 5.770 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 77 |
| 8 030 45 239 | Radial drilling and milling head ER 25 AX UT IC | |
| | Weight [kg]: | 5.990 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:3 |
| | Torque max [Nm]: | 12 |

| Part-# | Name | |
|---|---|--|
| | Rotation max [1/min]: | 18000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 77 |
| 8 030 45 253 | Radial drilling and milling head ER 25 AX UT | |
|  | Weight [kg]: | 5.480 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 63 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 030 45 346 | Radial drilling and milling head C 3 IC | |
|  | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 8000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Check applicability; note tool length! |
| | Center distance [mm]: | 65 |
| 8 030 45 351 | Radial drilling and milling head C 3 | |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 8000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Check applicability; note tool length! |
| | Center distance [mm]: | 65 |



| Part-# | Name | |
|---------------------|--|------------------------|
| 8 030 45 563 | Radial drilling and milling head Weldon 16 | |
| | Weight [kg]: | 5.850 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Weldon (DIN 1835 b) 16 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 030 45 599 | Radial drilling and milling head ER 25 AX UT IC | |
| | Weight [kg]: | 5.980 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 77 |
| 8 030 46 196 | Radial drilling and milling head HT 4 | |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | HT 4 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | strong version |
| | Center distance [mm]: | 65 |
| 8 030 46 197 | Radial drilling and milling head HT 4 IC | |
| | Weight [kg]: | 5.640 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | HT 4 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |

| Part-# | Name | |
|---|--|------------------------|
| | Center distance [mm]: | 65 |
| 8 030 46 356 | Angle-mill- and drill holder ER 32 AX UT IC | |
|  | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 030 46 563 | Radial drilling and milling head ER 32 AX UT IC | |
| | Weight [kg]: | 5.480 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 65 |
| 8 030 46 564 | Radial drilling and milling head ER 32 AX UT | |
| | Weight [kg]: | 5.120 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |
| 8 030 47 122 | Radial drilling and milling head Weldon 25 IC | |
| | Weight [kg]: | 6.580 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Weldon (DIN 1835 b) 25 |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 63 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | opposite |

| Part-# | Name | |
|---|---|-----------------------------|
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 031 45 026 | Radial milling head universal arbor 22 | |
|  | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Universal arbor 22 |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 63 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 031 45 054 | Radial milling head universal arbor 1" | |
| | Weight [kg]: | 6.040 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Universal arbor 1" (25,4mm) |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 63 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 031 46 004 | Radial milling head universal arbor 27 | |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Universal arbor 27 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 65 |
| 8 033 45 061 | Radial drilling and milling head ER 25 AX UT | |
| | Weight [kg]: | 5.500 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 3:1 |
| | Torque max [Nm]: | 32 |


| Part-# | Name | |
|---------------------|---|-------------------------------------|
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | Combi bearing; check applicability! |
| | Center distance [mm]: | 65 |
| 8 037 42 002 | Radial disk mill head arbor 10 | |
| | Weight [kg]: | 4.600 |
| | Notation: | 180° reversible |
| | Version: | ± 30° turnable |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Arbor 10 |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 32 |
| | Rotation max [1/min]: | 4000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 78 |
| 8 037 43 004 | Radial disk mill head arbor 13 | |
| | Weight [kg]: | 4.630 |
| | Notation: | 180° reversible |
| | Version: | ± 30° turnable |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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: | EXT |
| | Center distance [mm]: | 78 |
| 8 039 45 076 | Radial drilling and milling head ER 25 AX UT | |
| | Weight [kg]: | 5.900 |
| | Notation: | 180° reversible |
| | Version: | double spindle |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same/opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |





| Part-# | Name | |
|--|---|-----------------------|
| 8 039 45 106 | Radial drilling and milling head ER 25 AX UT | |
|  | Weight [kg]: | 6.250 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Version: | double spindle |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25/Sp. |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Center distance [mm]: | 50/86 |
| 8 039 46 031 | Radial drilling and milling head HT 4 | |
|  | Weight [kg]: | 6.400 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Version: | double spindle |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Tool adaption: | HT 4 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same/opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |
| 8 040 44 019 | Universal head ± 90° adjustable ER 16 | |
| | Weight [kg]: | 2.460 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |
| | Please note: | Note swivel range! |
| | Center distance [mm]: | 55 |
| 8 040 44 021 | Universal head ± 90° adjustable ER 16 | |
| | Weight [kg]: | 2.700 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |

| Part-# | Name | |
|---------------------|---|--|
| | Please note: | position can be pinned; note swivel range! |
| | Center distance [mm]: | 55 |
| 8 040 44 023 | Universal head ± 90° adjustable ER 20 | |
| | Weight [kg]: | 2.800 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | 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: | Note swivel range! |
| | Center distance [mm]: | 55 |
| 8 040 44 104 | Universal head ± 90° adjustable ER 16 | |
| | Notation: | 180° reversible |
| | Version: | 45° position can be pinned |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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]: | 55 |
| 8 043 44 004 | Universal head +105°/-20° adj. ER16AX UTIK | |
| | Weight [kg]: | 5.450 |
| | Notation: | offset |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | 180° reversible |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 44 005 | Universal head +105°/-20° adj. ER16 AX UT | |
| | Weight [kg]: | 5.360 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |

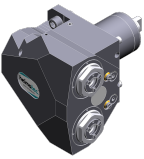


| Part-# | Name | |
|---|---|---------------------------------|
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 44 006 | Universal head +105°/-20° adj. ER16AX UTIK | |
|  | Weight [kg]: | 5.470 |
| | Notation: | offset |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | 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]: | 25 |
| | Please note: | 180° reversible |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 44 007 | Universal head +105°/-20° adj. ER16 AX UT | |
| | Weight [kg]: | 5.410 |
| | Notation: | offset |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | 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 |
| | Please note: | 180° reversible |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 44 042 | Universal head +105°/-20° adj. ER16AX UTIK | |
| | Weight [kg]: | 5.470 |
| | Notation: | offset |
| | Version: | at 71,5° position can be pinned |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | 180° reversible |
| | Center distance [mm]: | 50 |




| Part-# | Name | |
|---|---|---------------------------------|
| 8 043 45 000 | Universal head +105°/-20° adj. ER25 AX UT | |
|  | Weight [kg]: | 5.580 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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]: | 50 |
| 8 043 45 004 | Universal head +105°/-20° adj. ER25AX UTIK | |
|  | Weight [kg]: | 5.660 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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]: | 25 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 45 005 | Universal head +105°/-20° adj. ER25AX UTIK | |
| | Weight [kg]: | 5.610 |
| | Notation: | offset; 180° reversible |
| | Version: | at 42,9° position can be pinned |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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]: | 25 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 45 015 | Universal head +105°/-20° adj. Weldon 16 | |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | Weldon (DIN 1835 b) 16 special |
| | Gear ratio [i]: | 1:1 |



| Part-# | Name | |
|---------------------|--|--|
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 043 45 017 | Universal head +105°/-20° adj. ER25 AX UT | |
| | Weight [kg]: | 5.590 |
| | Notation: | offset; 180° reversible; at 45° position can be pinned |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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]: | 50 |
| 8 043 46 002 | Universal head +105°/-20° adj. Weldon 20 | |
| | Weight [kg]: | 5.790 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | 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: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| 8 050 43 009 | Multispindle drilling head ER 11 | |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 11 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 10/Sp. |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| 8 050 44 005 | Multispindle drilling head ER 16 AX UT | |
| | Weight [kg]: | 3.700 |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:1 |



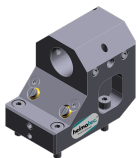
| Part-# | Name | |
|---|---|-------------------------|
| | Torque max [Nm]: | 25/Sp. |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| 8 050 44 045 | Multispindle drilling head ER 16 AX UT | |
| | Weight [kg]: | 5.840 |
| | Notation: | offset, 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 8/Sp. |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Offset [mm]: | 64,359 |
| 8 053 44 032 | Multispindle radial head ER 16 AX UT | |
| | Weight [kg]: | 6.120 |
| | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |
| | Center distance [mm]: | 65 |
| 8 053 44 062 | Multispindle radial head ER16 AX UT IC | |
|  | Weight [kg]: | 6.580 |
| | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |
| | Center distance [mm]: | 65 |


| Part-# | Name | |
|--|---|---|
| 8 053 44 063  | Multispindle radial head ER16 AX UT IC | |
| | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16/Sp |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 65 |
| 8 053 44 065  | Multispindle radial head ER 16 AX UT | |
| | Weight [kg]: | 6.400 |
| | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 16/Sp |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Center distance [mm]: | 65 |
| 8 053 44 066  | Multispindle radial head ER 16 AX UT | |
| | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | 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 |
| | Center distance [mm]: | 65 |
| | 8 053 44 067 | Multispindle radial head ER 20 AX UT |
| Notation: | | 180° reversible |
| Version: | | 2-spindles |
| Tool drive: | | Flat (~DIN 1809) |
| Shank size [mm]: | | 45.00 |
| 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 |
| Please note: | | Check applicability; note tool length! |



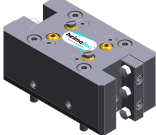
| Part-# | Name | |
|--|---|--|
| | Center distance [mm]: | 75 |
| 8 053 44 074 | Multispindle radial head ER 20 AX UTIK | |
|  | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 45.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 20 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 32/Sp |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Check applicability; note tool length! |
| | Center distance [mm]: | 75 |
| 8 200 02 001 | Cover plate | |
| | Weight [kg]: | 0.320 |
| | Shank type: | - |
| 8 224 01 020 | Cut-off holder sq. 20 | |
| | Weight [kg]: | 2.020 |
| | Employment for: | right cutting tools |
| | Version: | Special; edge on side of turret |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Sq. 20 |
| | Coolant: | EXT |
| 8 224 03 016 | Universal turning holder sq. 3/4" IC | |
|  | Weight [kg]: | 2.630 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Sq. 3/4" (19,05mm) |
| | | Sq. 3/4" (19,05mm) |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Key rail |
| 8 224 04 000 | Universal turning holder sq. 20 | |
|  | Weight [kg]: | 2.640 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | EXT |





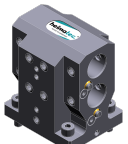
| Part-# | Name | |
|---|---|--|
| 8 224 04 035 | Universal turning holder sq. 20 IC | |
|  | Weight [kg]: | 2.620 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Sq. 20 |
| | Coolant: | IC |
| 8 224 04 068 | Universal turning holder sq. 20 IC | |
|  | Weight [kg]: | 2.610 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Key rail |
| 8 229 05 004 | Tool holder C 3 IC | |
| | Weight [kg]: | 2.980 |
| | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 65 |
| 8 229 05 005 | Tool holder C 3 IC | |
| | Weight [kg]: | 1.590 |
| | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 27 |
| 8 240 05 034 | Boring bar holder Ø 16 | |
| | Weight [kg]: | 4.360 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Ø 16 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 05 059 | Tool holder C 3 IC | |
| | Weight [kg]: | 4.130 |
| | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 |

| Part-# | Name | |
|---------------------|---|--|
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Center distance [mm]: | 80 |
| 8 240 05 060 | Tool holder C 3 IC | |
| | Weight [kg]: | 3.190 |
| | Notation: | 180° reversible |
| | Version: | offset; right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Center distance [mm]: | 80 |
| 8 240 06 034 | Boring bar holder \varnothing 20 | |
| | Weight [kg]: | 4.280 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 20 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 07 038 | Boring bar holder \varnothing 25 | |
| | Weight [kg]: | 4.160 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 25 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 07 050 | Boring bar holder \varnothing 1 1/4 " | |
| | Weight [kg]: | 3.790 |
| | Notation: | offset |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 1 1/4" (31,75mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 08 000 | Boring bar holder \varnothing 32 | |
| | Weight [kg]: | 3.740 |
| | Notation: | offset |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 32 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |




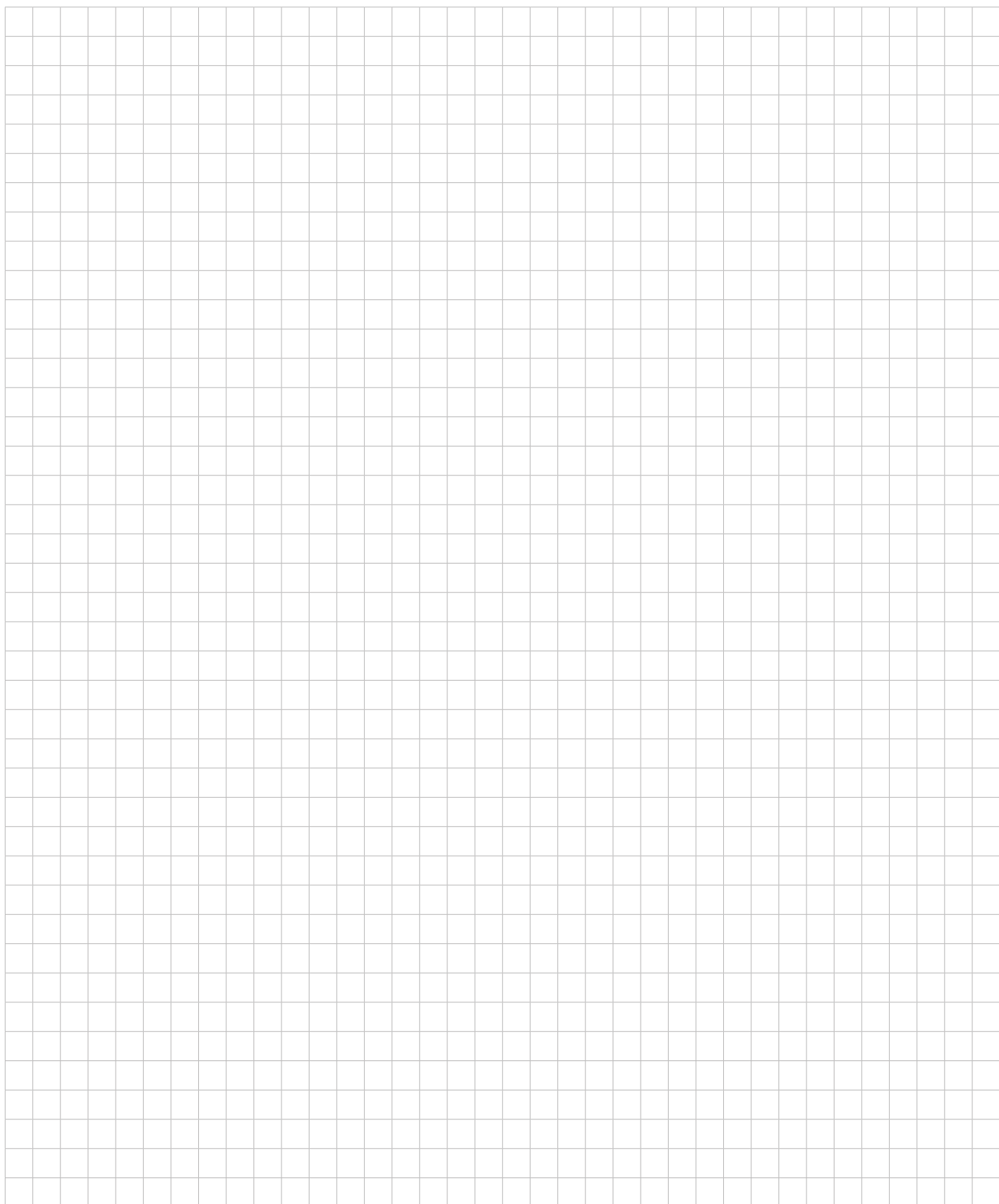
| Part-# | Name | |
|--|-----------------------------------|--|
| 8 240 08 046 | Boring bar holder Ø 32 | |
| | Weight [kg]: | 3.940 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Ø 32 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 08 074 | Boring bar holder Ø 1 1/2" | |
| | Weight [kg]: | 4.000 |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Ø 1 1/2" (38,1mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 09 002 | Boring bar holder Ø 40 | |
|  | Weight [kg]: | 2.660 |
| | Version: | offset |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt Ø 12 |
| | Tool adaption: | Ø 40 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 240 09 013 | Boring bar holder Ø 40 | |
| | Weight [kg]: | 3.950 |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt Ø 12 |
| | Tool adaption: | Ø 40 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 75 |
| 8 244 04 019 | Combi facing holder sq. 20 | |
| | Weight [kg]: | 3.700 |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Sq. 20 |
| | Coolant: | EXT |
| 8 249 05 008 | Double tool holder C 3 IC | |
| | Weight [kg]: | 4.860 |
| | Employment for: | Main- and sub spindle |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 heimatec Capto(TM) C 3 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Center distance [mm]: | 80 |

| Part-# | Name | |
|--|--|--|
| 8 250 05 002 | Multiple tool holder C 3 IC | |
| | Weight [kg]: | 2.140 |
| | Employment for: | Main- and sub spindle |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 heimatec Capto(TM) C 3 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 27 27 |
| 8 250 05 003 | Multiple tool holder C 3 IC | |
| | Weight [kg]: | 3.730 |
| | Employment for: | Main- and sub spindle |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | heimatec Capto(TM) C 3 heimatec Capto(TM) C 3 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 65 65 |
| 8 251 03 002 | Combi double turning holder sq. 3/4" IC | |
|  | Weight [kg]: | 4.360 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | 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 04 002 | Combi double turning holder sq. 20 | |
|  | Weight [kg]: | 4.380 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | Sq. 20 Sq. 20 Sq. 20 Sq. 20 |
| | Coolant: | EXT |
| 8 251 04 003 | Combi double turning holder sq. 3/4" | |
|  | Weight [kg]: | 4.410 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | Sq. 3/4" (19,05mm) Sq. 3/4" (19,05mm) |

| Part-# | Name | |
|---|---|--|
| | | Sq. 3/4" (19,05mm) Sq. 3/4" (19,05mm) EXT |
| | Coolant: | |
| 8 251 04 059 | Combi double turning holder sq. 20 IC | |
|  | Weight [kg]: | 4.360 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | Sq. 20 Sq. 20 Sq. 20 Sq. 20 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Key rail |
| 8 253 07 000 | Double boring bar holder \varnothing 25 | |
|  | Weight [kg]: | 2.320 |
| | Notation: | offset, 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 25 \varnothing 25 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 50/85 |
| 8 253 07 003 | Multiple boring bar holder \varnothing 1" | |
|  | Weight [kg]: | 2.530 |
| | Notation: | offset, 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 1" (25,4mm) \varnothing 1" (25,4mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 50/85 |
| 8 253 07 004 | Double boring bar holder \varnothing 1" | |
|  | Weight [kg]: | 3.740 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 1" (25,4mm) \varnothing 1" (25,4mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 50/85 |
| 8 253 07 006 | Double boring bar holder \varnothing 25 | |
|  | Weight [kg]: | 3.710 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 25 \varnothing 25 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 50/85 |

| Part-# | Name | |
|---------------------|--|---------------------------------|
| 8 259 01 006 | Multiple turning holder 4x sq. 20 | |
| | Weight [kg]: | 4.700 |
| | Employment for: | Main- and sub spindle |
| | Version: | Y-axes offset |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | EXT |
| 8 259 09 001 | Multiple holder \varnothing25 and sq. 20 | |
| | Weight [kg]: | 3.980 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 25/ sq. 20 |
| | | \varnothing 25/ sq. 20 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 50/85 |
| 8 261 08 000 | Tool holder for centering insert | |
| | Weight [kg]: | 5.270 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | \varnothing 32 |
| | Coolant: | EXT |
| | Please note: | Price without centering point |
| | Center distance [mm]: | 55 |
| 8 263 09 000 | Tool holder with rotating centering point | |
| | Weight [kg]: | 4.070 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Rotation max [1/min]: | 6000 |
| | Coolant: | EXT |
| | Please note: | Taper roller bearings |
| | Center distance [mm]: | 75 |
| 8 263 09 007 | Tool holder with rotating centering point | |
| | Weight [kg]: | 6.410 |
| | Notation: | 180° reversible; offset |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Rotation max [1/min]: | 6000 |
| | Coolant: | EXT |
| | Center distance [mm]: | 85 |
| 8 320 02 017 | Cut-off holder, height adjustable SH 26 IC | |
| | Weight [kg]: | 1.410 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt \varnothing 12 |
| | Tool adaption: | Clampshaft SH 26 |
| | Coolant: | IC/Ext |

| Part-# | Name | |
|---------------------|---|--|
| | Pressure max [bar]: | 70 |
| 8 320 02 018 | Cut-off holder, height adjustable SH 26 IC | |
| | Weight [kg]: | 1.560 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: | Clampshaft SH 26 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 70 |
| | Please note: | Clampshaft internal |
| 8 320 09 003 | Cut-off holder, height adjustable 845 IC | |
| | Weight [kg]: | 1.390 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering bolt ø 12 |
| | Tool adaption: |  System 845 |
| | Coolant: | IC |
| | Pressure max [bar]: | 70 |



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