

Mazak

**MP 610 N**



# 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

This catalogue, including all its parts, is protected by copyright. Any use outside the restricted limitations of the Copyright Act without the consent of heimatec is inadmissible and liable to prosecution. This applies in particular to duplication, translation, microfilming and storage and processing in electronic systems.

**heimatec GmbH** reserves the right to make technical changes at any time without giving prior notice. This applies in particular to adjustments at any time to meet new or changed international standards, or in case of further developments of our products or manufacturing processes.

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

| Part-#              | Name   |                       |
|---------------------|--|-----------------------|
| <b>8 010 45 023</b> | <b>Axial drilling and milling head ER 25</b>       |                       |
|                     | Weight [kg]:                                       | 3.800                 |
|                     | Tool drive:  | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                   | 40.00                 |
|                     | Shank type:  | VDI                   |
|                     | Tool adaption:                                     | ER 25                 |
|                     | Gear ratio [i]:                                    | 1:1                   |
|                     | Torque max [Nm]:                                   | 50                    |
|                     | Rotation max [1/min]:                              | 6000                  |
|                     | Rotating direction:                                | same                  |
|                     | Coolant:   | EXT                   |
| <b>8 010 46 120</b> | <b>Axial drilling and milling head HT 4</b>        |                       |
|                     | Weight [kg]:                                       | 3.720                 |
|                     | Tool drive:  | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                   | 40.00                 |
|                     | Shank type:  | VDI                   |
|                     | Tool adaption:                                     | HT 4                  |
|                     | Gear ratio [i]:                                    | 1:1                   |
|                     | Torque max [Nm]:                                   | 50                    |
|                     | Rotation max [1/min]:                              | 6000                  |
|                     | Rotating direction:                                | same                  |
|                     | Coolant:   | EXT                   |
| <b>8 011 45 006</b> | <b>Axial milling head universal arbor 22</b>       |                       |
|                     | Weight [kg]:                                       | 3.860                 |
|                     | Tool drive:  | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                   | 40.00                 |
|                     | Shank type:  | VDI                   |
|                     | Tool adaption:                                     | Universal arbor 22    |
|                     | Gear ratio [i]:                                    | 1:1                   |
|                     | Torque max [Nm]:                                   | 50                    |
|                     | Rotation max [1/min]:                              | 6000                  |
|                     | Rotating direction:                                | same                  |
|                     | Coolant:   | EXT                   |
| <b>8 019 42 002</b> | <b>Axial drilling and milling head Weldon 6</b>    |                       |
|                     | Notation:  | offset                |
|                     | Tool drive:  | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                   | 40.00                 |
|                     | Shank type:  | VDI                   |
|                     | Tool adaption:                                     | Weldon (DIN 1835 b) 6 |
|                     | Gear ratio [i]:                                    | 1:1                   |
|                     | Torque max [Nm]:                                   | 50                    |
|                     | Rotation max [1/min]:                              | 6000                  |
|                     | Rotating direction:                                | opposite              |
|                     | Coolant:   | EXT                   |
|                     | Offset [mm]:                                       | 50                    |
| <b>8 019 45 029</b> | <b>Axial drilling and milling head ER 25 AX UT</b> |                       |
|                     | Weight [kg]:                                       | 6.720                 |
|                     | Notation:  | offset                |
|                     | Tool drive:  | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                   | 40.00                 |
|                     | Shank type:  | VDI                   |
|                     | Tool adaption:                                     | ER 25 A - u-tec       |
|                     | Gear ratio [i]:                                    | 1:2                   |
|                     | Torque max [Nm]:                                   | 40                    |

| Part-#              | Name  |                    |
|---------------------|---|--------------------|
|                     | Rotation max [1/min]:                                 | 12000              |
|                     | Rotating direction:                                   | opposite           |
|                     | Coolant:  | EXT                |
|                     | Offset [mm]:  | 50                 |
| <b>8 019 45 041</b> | <b>Axial milling head universal arbor 22</b>          |                    |
|                     | Notation:   | offset             |
|                     | Tool drive:   | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                      | 40.00              |
|                     | Shank type:   | VDI                |
|                     | Tool adaption:  | Universal arbor 22 |
|                     | Gear ratio [i]:                                       | 2:1                |
|                     | Torque max [Nm]:                                      | 80                 |
|                     | Rotation max [1/min]:                                 | 3000               |
|                     | Rotating direction:                                   | opposite           |
|                     | Coolant:  | EXT                |
|                     | Please note:  | stronger bearing   |
|                     | Offset [mm]:  | 50                 |
| <b>8 019 45 113</b> | <b>Axial drilling and milling head ER 25 AX UT IC</b> |                    |
|                     | Weight [kg]:  | 6.780              |
|                     | Notation:   | offset             |
|                     | Tool drive:   | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                      | 40.00              |
|                     | Shank type:   | VDI                |
|                     | Tool adaption:  | ER 25 A - u-tec    |
|                     | Gear ratio [i]:                                       | 1:2                |
|                     | Torque max [Nm]:                                      | 25                 |
|                     | Rotation max [1/min]:                                 | 12000              |
|                     | Rotating direction:                                   | opposite           |
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                                   | 140                |
|                     | Offset [mm]:  | 50                 |
| <b>8 019 45 118</b> | <b>Axial drilling and milling head ER 25 AX UT IC</b> |                    |
|                     | Weight [kg]:  | 6.640              |
|                     | Notation:   | offset             |
|                     | Tool drive:   | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                      | 40.00              |
|                     | Shank type:   | VDI                |
|                     | 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                |
|                     | Offset [mm]:  | 50                 |
| <b>8 019 45 125</b> | <b>Axial drilling and milling head ER 25 AX UT</b>    |                    |
|                     | Weight [kg]:  | 6.540              |
|                     | Notation:   | offset             |
|                     | Tool drive:   | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                      | 40.00              |
|                     | Shank type:   | VDI                |
|                     | Tool adaption:  | ER 25 A - u-tec    |
|                     | Gear ratio [i]:                                       | 1:1                |
|                     | Torque max [Nm]:                                      | 50                 |

| Part-#              | Name  |                        |
|---------------------|---|------------------------|
|                     | Rotation max [1/min]:                               | 6000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 45 161</b> | <b>Axial drilling and milling head ER 25 AX UT</b>  |                        |
|                     | Weight [kg]:  | 6.640                  |
|                     | Notation:   | offset                 |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                    | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | ER 25 A - u-tec        |
|                     | Gear ratio [i]:                                     | 1:3                    |
|                     | Torque max [Nm]:                                    | 16                     |
|                     | Rotation max [1/min]:                               | 15000                  |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 46 021</b> | <b>Axial drilling and milling head Weldon 20 IC</b> |                        |
|                     | Notation:   | offset                 |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                    | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | Weldon (DIN 1835 b) 20 |
|                     | Gear ratio [i]:                                     | 2:1                    |
|                     | Torque max [Nm]:                                    | 80                     |
|                     | Rotation max [1/min]:                               | 3000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | IC/Ext                 |
|                     | Pressure max [bar]:                                 | 25                     |
|                     | Please note:  | stronger bearing       |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 46 053</b> | <b>Axial drilling and milling head HT 4</b>         |                        |
|                     | Weight [kg]:  | 5.200                  |
|                     | Notation:   | offset                 |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                    | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | HT 4                   |
|                     | Gear ratio [i]:                                     | 1:1                    |
|                     | Torque max [Nm]:                                    | 50                     |
|                     | Rotation max [1/min]:                               | 6000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 46 065</b> | <b>Axial drilling and milling head HT 4 IC</b>      |                        |
|                     | Weight [kg]:  | 6.840                  |
|                     | Notation:   | offset                 |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                    | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | HT 4                   |
|                     | Gear ratio [i]:                                     | 1:1                    |
|                     | Torque max [Nm]:                                    | 50                     |
|                     | Rotation max [1/min]:                               | 6000                   |

| Part-#              | Name  |                        |
|---------------------|---|------------------------|
|                     | Rotating direction:                                   | opposite               |
|                     | Coolant:  | IC/Ext                 |
|                     | Pressure max [bar]:                                   | 140                    |
|                     | Please note:  | stronger bearing       |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 46 112</b> | <b>Axial drilling and milling head ER 32 AX UT</b>    |                        |
|                     | Weight [kg]:  | 6.640                  |
|                     | Notation:   | offset                 |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                      | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | 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:  | EXT                    |
|                     | Please note:  | stronger bearing       |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 46 142</b> | <b>Axial drilling and milling head ER 32 AX UT IC</b> |                        |
|                     | Weight [kg]:  | 6.700                  |
|                     | Notation:   | offset                 |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                      | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | 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:  | stronger bearing       |
|                     | Offset [mm]:  | 50                     |
| <b>8 019 46 198</b> | <b>Axial drilling and milling head C 4 IC</b>         |                        |
|                     | Weight [kg]:  | 7.580                  |
|                     | Notation:   | offset                 |
|                     | Employment for:                                       | Main spindle           |
|                     | Tool drive:   | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                      | 40.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:  | heimatec Capto(TM) C 4 |
|                     | Gear ratio [i]:                                       | 1:1                    |
|                     | Torque max [Nm]:                                      | 50                     |
|                     | Rotation max [1/min]:                                 | 6000                   |
|                     | Rotating direction:                                   | opposite               |
|                     | Coolant:  | IC/Ext                 |
|                     | Pressure max [bar]:                                   | 140                    |
|                     | Offset [mm]:  | 50                     |

| Part-#              | Name   |                        |
|---------------------|--|------------------------|
| <b>8 030 43 005</b> | <b>Radial drilling and milling head Weldon 8 IC</b>  |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 8  |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 44 009</b> | <b>Radial drilling and milling head Weldon 10 IC</b> |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 10 |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 44 010</b> | <b>Radial drilling and milling head Weldon 12 IC</b> |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 12 |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 44 011</b> | <b>Radial drilling and milling head Weldon 14 IC</b> |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 14 |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
|                     | Center distance [mm]:                                | 115                    |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
| <b>8 030 45 032</b> | <b>Radial drilling and milling head ER 25</b>    |                  |
|                     | Weight [kg]:                                     | 7.520            |
|                     | Tool drive:                                      | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                 | 40.00            |
|                     | Shank type:                                      | VDI              |
|                     | Tool adaption:                                   | ER 25            |
|                     | Gear ratio [i]:                                  | 1:1              |
|                     | Torque max [Nm]:                                 | 50               |
|                     | Rotation max [1/min]:                            | 6000             |
|                     | Rotating direction:                              | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                            | 115              |
| <b>8 030 45 041</b> | <b>Radial drilling and milling head ER 25 IC</b> |                  |
|                     | Weight [kg]:                                     | 8.600            |
|                     | Tool drive:                                      | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                 | 40.00            |
|                     | Shank type:                                      | VDI              |
|                     | Tool adaption:                                   | ER 25            |
|                     | Gear ratio [i]:                                  | 1:1              |
|                     | Torque max [Nm]:                                 | 50               |
|                     | Rotation max [1/min]:                            | 6000             |
|                     | Rotating direction:                              | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                              | 25               |
|                     | Center distance [mm]:                            | 115              |
| <b>8 030 45 046</b> | <b>Radial drilling and milling head ER 25</b>    |                  |
|                     | Tool drive:                                      | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                 | 40.00            |
|                     | Shank type:                                      | VDI              |
|                     | Tool adaption:                                   | ER 25            |
|                     | Gear ratio [i]:                                  | 2:1              |
|                     | Torque max [Nm]:                                 | 63               |
|                     | Rotation max [1/min]:                            | 4000             |
|                     | Rotating direction:                              | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                            | 115              |
| <b>8 030 45 049</b> | <b>Radial drilling and milling head ER 25</b>    |                  |
|                     | Weight [kg]:                                     | 7.930            |
|                     | Tool drive:                                      | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                 | 40.00            |
|                     | Shank type:                                      | VDI              |
|                     | Tool adaption:                                   | ER 25            |
|                     | Gear ratio [i]:                                  | 1:2              |
|                     | Torque max [Nm]:                                 | 16               |
|                     | Rotation max [1/min]:                            | 12000            |
|                     | Rotating direction:                              | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                            | 115              |

| Part-#              | Name   |                        |
|---------------------|--|------------------------|
| <b>8 030 45 055</b> | <b>Radial drilling and milling head Weldon 16 IC</b> |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | 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:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
|                     | Please note:   | stronger bearing       |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 45 062</b> | <b>Radial drilling and milling head ER 25 AC IC</b>  |                        |
|                     | Weight [kg]:   | 8.680                  |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | ER 25                  |
|                     | Gear ratio [i]:                                      | 1:2                    |
|                     | Torque max [Nm]:                                     | 16                     |
|                     | Rotation max [1/min]:                                | 12000                  |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC                     |
|                     | Pressure max [bar]:                                  | 60                     |
|                     | Please note:   | High pressure version  |
| <b>8 030 45 063</b> | <b>Radial drilling and milling head ER 25 IC</b>     |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | ER 25                  |
|                     | Gear ratio [i]:                                      | 1:2                    |
|                     | Torque max [Nm]:                                     | 16                     |
|                     | Rotation max [1/min]:                                | 12000                  |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
| <b>8 030 45 117</b> | <b>Radial drilling and milling head Weldon 16</b>    |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | 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:   | stronger bearing       |
|                     | Center distance [mm]:                                | 115                    |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
| <b>8 030 45 123</b> | <b>Radial drilling and milling head ER 25 IC</b>       |                  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 25            |
|                     | Gear ratio [i]:  | 1:3              |
|                     | Torque max [Nm]:                                       | 15               |
|                     | Rotation max [1/min]:                                  | 15000            |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 25               |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 45 191</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 7.960            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | 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              |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 45 217</b> | <b>Radial drilling and milling head ER 25 AX UT</b>    |                  |
|                     | Weight [kg]:   | 7.380            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | 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              |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 45 282</b> | <b>Radial drilling and milling head ER 25 AX UT</b>    |                  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 25 A - u-tec  |
|                     | Gear ratio [i]:  | 1:3              |
|                     | Torque max [Nm]:                                       | 12               |
|                     | Rotation max [1/min]:                                  | 15000            |
|                     | Rotating direction:                                    | same             |
|                     | Coolant:   | EXT              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 115              |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
| <b>8 030 45 293</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 7.990            |
|                     | Employment for:  | Main spindle     |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 25 u-tec      |
|                     | Gear ratio [i]:  | 1:3              |
|                     | Torque max [Nm]:                                       | 12               |
|                     | Rotation max [1/min]:                                  | 15000            |
|                     | Rotating direction:                                    | same             |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 45 294</b> | <b>Radial drilling and milling head ER 25 AX UT</b>    |                  |
|                     | Weight [kg]:   | 7.750            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | 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]:                                  | 115              |
| <b>8 030 45 295</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 7.970            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | 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               |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 46 080</b> | <b>Radial drilling and milling head ER 32</b>          |                  |
|                     | Weight [kg]:   | 7.580            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 32            |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                                  | 115              |

| Part-#              | Name   |                        |
|---------------------|--|------------------------|
| <b>8 030 46 092</b> | <b>Radial drilling and milling head Weldon 20 IC</b> |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 20 |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 25                     |
|                     | Please note:   | stronger bearing       |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 46 184</b> | <b>Radial drilling and milling head HT 4</b>         |                        |
|                     | Weight [kg]:   | 7.450                  |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | HT 4                   |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | EXT                    |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 46 185</b> | <b>Radial drilling and milling head HT 4 IC</b>      |                        |
|                     | Weight [kg]:   | 7.990                  |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | HT 4                   |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Pressure max [bar]:                                  | 140                    |
|                     | Center distance [mm]:                                | 115                    |
| <b>8 030 46 190</b> | <b>Radial drilling and milling head Weldon 20</b>    |                        |
|                     | Tool drive:  | Flat (~DIN 1809)       |
|                     | Shank size [mm]:                                     | 40.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 20 |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 50                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | EXT                    |
|                     | Please note:   | with stronger bearing  |
|                     | Center distance [mm]:                                | 115                    |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
| <b>8 030 46 314</b> | <b>Radial drilling and milling head ER 32 AX UT</b>    |                  |
|                     | Weight [kg]:   | 7.400            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | 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:   | EXT              |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 46 390</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 7.890            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 32 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 47 047</b> | <b>Radial drilling and milling head HT 5</b>           |                  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | HT 5             |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                                  | 115              |
| <b>8 030 47 048</b> | <b>Radial drilling and milling head HT 5 IC</b>        |                  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 40.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | HT 5             |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 25               |
|                     | Center distance [mm]:                                  | 115              |

| Part-#              | Name   |                    |
|---------------------|--|--------------------|
| <b>8 031 44 010</b> | <b>Radial milling head universal arbor 16</b>          |                    |
|                     | Tool drive:  | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                       | 40.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | Universal arbor 16 |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 50                 |
|                     | Rotation max [1/min]:                                  | 6000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | EXT                |
|                     | Center distance [mm]:                                  | 115                |
| <b>8 031 45 007</b> | <b>Radial milling head universal arbor 22</b>          |                    |
|                     | Tool drive:  | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                       | 40.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | Universal arbor 22 |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 50                 |
|                     | Rotation max [1/min]:                                  | 6000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | EXT                |
|                     | Center distance [mm]:                                  | 115                |
| <b>8 031 45 011</b> | <b>Radial milling head universal arbor 22</b>          |                    |
|                     | Tool drive:  | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                       | 40.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | Universal arbor 22 |
|                     | Gear ratio [i]:  | 2:1                |
|                     | Torque max [Nm]:                                       | 63                 |
|                     | Rotation max [1/min]:                                  | 4000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | EXT                |
|                     | Center distance [mm]:                                  | 115                |
| <b>8 039 45 013</b> | <b>Radial drilling and milling head ER 25</b>          |                    |
|                     | Notation:  | 360° turnable      |
|                     | Tool drive:  | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                       | 40.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | ER 25              |
|                     | Gear ratio [i]:  | 2:1                |
|                     | Torque max [Nm]:                                       | 32                 |
|                     | Rotation max [1/min]:                                  | 3000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | EXT                |
| <b>8 039 45 063</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                    |
|                     | Weight [kg]:   | 7.850              |
|                     | Notation:  | 65° angle          |
|                     | Tool drive:  | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                       | 40.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | ER 25 A - u-tec    |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 40                 |
|                     | Rotation max [1/min]:                                  | 6000               |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
|                     | Rotating direction:                                 | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                                 | 140              |
|                     | Please note:  | Combi bearing    |
| <b>8 039 45 084</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:  | 6.760            |
|                     | Notation:   | 68° angle        |
|                     | Tool drive:   | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                    | 40.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:                                      | ER 25 A - u-tec  |
|                     | Gear ratio [i]:                                     | 1:1              |
|                     | Torque max [Nm]:                                    | 40               |
|                     | Rotation max [1/min]:                               | 6000             |
|                     | Rotating direction:                                 | opposite         |
|                     | Coolant:  | EXT              |
|                     | Please note:  | Combi bearing    |
| <b>8 039 45 086</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:  | 6.940            |
|                     | Notation:   | 50° angle        |
|                     | Tool drive:   | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                    | 40.00            |
|                     | Shank type:   | VDI              |
|                     | 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    |
| <b>8 039 45 124</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:  | 6.760            |
|                     | Notation:   | 55° angle        |
|                     | Tool drive:   | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                    | 40.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:                                      | ER 25 A - u-tec  |
|                     | Gear ratio [i]:                                     | 1:1              |
|                     | Torque max [Nm]:                                    | 40               |
|                     | Rotation max [1/min]:                               | 6000             |
|                     | Rotating direction:                                 | opposite         |
|                     | Coolant:  | EXT              |
|                     | Please note:  | Combi bearing    |
| <b>8 040 44 012</b> | <b>Universal head ± 90° adjustable ER 16 AX</b>     |                  |
|                     | Weight [kg]:  | 5.540            |
|                     | Tool drive:   | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                    | 40.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:                                      | ER 16 A          |
|                     | Gear ratio [i]:                                     | 1:1              |
|                     | Torque max [Nm]:                                    | 25               |
|                     | Rotation max [1/min]:                               | 6000             |
|                     | Rotating direction:                                 | same             |
|                     | Coolant:  | EXT              |

| Part-#              | Name  |                               |
|---------------------|---|-------------------------------|
|                     | Please note:  | Note swivel range             |
|                     | Center distance [mm]:                                 | 105                           |
| <b>8 040 44 065</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b> |                               |
|                     | Weight [kg]:  | 5.780                         |
|                     | Tool drive:   | Flat (~DIN 1809)              |
|                     | Shank size [mm]:                                      | 40.00                         |
|                     | 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                           |
|                     | Please note:  | Note swivel range!            |
|                     | Center distance [mm]:                                 | 105                           |
| <b>8 040 45 077</b> | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b> |                               |
|                     | Weight [kg]:  | 5.350                         |
|                     | Version:  | at 45° position can be pinned |
|                     | Tool drive:   | Flat (~DIN 1809)              |
|                     | Shank size [mm]:                                      | 40.00                         |
|                     | 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]:                                 | 87                            |
| <b>8 040 45 078</b> | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b> |                               |
|                     | Version:  | at 75° position can be pinned |
|                     | Tool drive:   | Flat (~DIN 1809)              |
|                     | Shank size [mm]:                                      | 40.00                         |
|                     | 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]:                                 | 87                            |
| <b>8 040 45 088</b> | <b>Universal head ± 90° adjustable ER 25 AX UT</b>    |                               |
|                     | Weight [kg]:  | 5.300                         |
|                     | Tool drive:   | Flat (~DIN 1809)              |
|                     | Shank size [mm]:                                      | 40.00                         |
|                     | Shank type:   | VDI                           |
|                     | Tool adaption:  | ER 25 A - u-tec               |
|                     | Gear ratio [i]:                                       | 1:1                           |
|                     | Torque max [Nm]:                                      | 25                            |
|                     | Rotation max [1/min]:                                 | 6000                          |

| Part-#              | Name  |  |
|---------------------|---|--|
|                     | Rotating direction:                                   | opposite                               |
|                     | Coolant:  | EXT                                    |
|                     | Please note:  | stronger bearing                       |
|                     | Center distance [mm]:                                 | 87                                     |
| <b>8 040 45 089</b> | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b> |  |
|                     | Weight [kg]:  | 5.050                                  |
|                     | Version:  | at 45° position can be pinned; special |
|                     | Tool drive:   | Flat (~DIN 1809)                       |
|                     | Shank size [mm]:                                      | 40.00                                  |
|                     | 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]:                                 | 87                                     |
| <b>8 200 41 000</b> | <b>Plug Ø 40x60</b>                                   |  |
|                     | Weight [kg]:  | 1.140                                  |
|                     | Shank size [mm]:                                      | 40.00                                  |
|                     | Shank type:   | VDI                                    |
| <b>8 202 40 009</b> | <b>Basic holder longitudinal seat FN 12</b>           |  |
|                     | Weight [kg]:  | 2.980                                  |
|                     | Shank size [mm]:                                      | 40.00                                  |
|                     | Shank type:   | VDI                                    |
|                     | Tool adaption:  | Interface FN 12                        |
|                     | Coolant:  | EXT                                    |
|                     | Center distance [mm]:                                 | 43                                     |
| <b>8 202 40 014</b> | <b>Basic holder longitudinal seat FN 12</b>           |  |
|                     | Weight [kg]:  | 3.210                                  |
|                     | Version:  | Special                                |
|                     | Shank size [mm]:                                      | 40.00                                  |
|                     | Shank type:   | VDI                                    |
|                     | Tool adaption:  | Interface FN 12                        |
|                     | Coolant:  | EXT                                    |
|                     | Center distance [mm]:                                 | 43                                     |
| <b>8 214 43 009</b> | <b>Cut-off holder SH 32</b>                           |  |
|                     | Employment for:                                       | Cut-off tool 32                        |
|                     | Version:  | Clampshaft on turret center            |
|                     | Shank size [mm]:                                      | 40.00                                  |
|                     | Shank type:   | VDI                                    |
|                     | Tool adaption:  | Clampshaft SH 32                       |
|                     | Coolant:  | EXT                                    |
|                     | Please note:  | demountable clampshaft                 |

| Part-#              | Name                                   |                                 |
|---------------------|--|---------------------------------|
| <b>8 214 43 010</b> | <b>Cut-off holder SH 32</b>            |                                 |
|                     | Weight [kg]:                           | 3.340                           |
|                     | Employment for:                        | Cut-off tool 32                 |
|                     | Version:                               | Clampshaft on turret side       |
|                     | Shank size [mm]:                       | 40.00                           |
|                     | Shank type:                            | VDI                             |
|                     | Tool adaption:                         | Clampshaft SH 32                |
|                     | Coolant:                               | EXT                             |
|                     | Please note:                           | demountalbe clampshaft          |
| <b>8 214 43 021</b> | <b>Cut-off holder SH 32</b>            |                                 |
|                     | Weight [kg]:                           | 3.350                           |
|                     | Employment for:                        | Cut-off tool 32                 |
|                     | Version:                               | Clampshaft on right turret side |
|                     | Shank size [mm]:                       | 40.00                           |
|                     | Shank type:                            | VDI                             |
|                     | Tool adaption:                         | Clampshaft SH 32                |
|                     | Coolant:                               | EXT                             |
|                     | Please note:                           | demountalbe clampshaft          |
| <b>8 214 44 000</b> | <b>Universal turning holder sq. 20</b> |                                 |
|                     | Weight [kg]:                           | 5.440                           |
|                     | Shank size [mm]:                       | 40.00                           |
|                     | Shank type:                            | VDI                             |
|                     | Tool adaption:                         | Sq. 20                          |
|                     |  | Sq. 20                          |
|                     | Coolant:                               | EXT                             |
| <b>8 214 44 002</b> | <b>Universal turning holder sq. 20</b> |                                 |
|                     | Weight [kg]:                           | 5.480                           |
|                     | Shank size [mm]:                       | 40.00                           |
|                     | Shank type:                            | VDI                             |
|                     | Tool adaption:                         | Sq. 20                          |
|                     | Coolant:                               | EXT                             |
| <b>8 214 44 004</b> | <b>Universal turning holder sq. 20</b> |                                 |
|                     | Weight [kg]:                           | 4.040                           |
|                     | Version:                               | Special                         |
|                     | Shank size [mm]:                       | 40.00                           |
|                     | Shank type:                            | VDI                             |
|                     | Tool adaption:                         | Sq. 20                          |
|                     | Coolant:                               | EXT                             |
|                     | Please note:                           | Special version                 |
| <b>8 214 44 005</b> | <b>Universal turning holder sq. 20</b> |                                 |
|                     | Weight [kg]:                           | 4.000                           |
|                     | Version:                               | Special                         |
|                     | Shank size [mm]:                       | 40.00                           |
|                     | Shank type:                            | VDI                             |
|                     | Tool adaption:                         | Sq. 20                          |
|                     | Coolant:                               | EXT                             |
|                     | Please note:                           | Special version                 |

| Part-#              | Name  |                                 |
|---------------------|---|---------------------------------|
| <b>8 214 44 008</b> | <b>Universal turning holder sq. 20</b>            |                                 |
|                     | Version:  | Special                         |
|                     | Shank size [mm]:                                  | 40.00                           |
|                     | Shank type:                                       | VDI                             |
|                     | Tool adaption:                                    | Sq. 20<br>Sq. 20                |
|                     | Coolant:  | EXT                             |
|                     | Please note:                                      | With 1/8" thread                |
| <b>8 230 47 001</b> | <b>Boring bar holder Ø 25</b>                     |                                 |
|                     | Weight [kg]:                                      | 7.160                           |
|                     | Notation:   | offset                          |
|                     | Shank size [mm]:                                  | 40.00                           |
|                     | Shank type:                                       | VDI                             |
|                     | Tool adaption:                                    | Ø 25                            |
|                     | Coolant:  | IC/Ext                          |
|                     | Please note:                                      | Offset dimension to center 5 mm |
|                     | Center distance [mm]:                             | 120                             |
| <b>8 230 48 000</b> | <b>Boring bar holder Ø 32</b>                     |                                 |
|                     | Weight [kg]:                                      | 7.920                           |
|                     | Notation:   | offset                          |
|                     | Shank size [mm]:                                  | 40.00                           |
|                     | Shank type:                                       | VDI                             |
|                     | Tool adaption:                                    | Ø 32                            |
|                     | Coolant:  | IC/Ext                          |
|                     | Center distance [mm]:                             | 120                             |
| <b>8 234 44 001</b> | <b>Combi facing holder sq. 20</b>                 |                                 |
|                     | Weight [kg]:                                      | 6.660                           |
|                     | Shank size [mm]:                                  | 40.00                           |
|                     | Shank type:                                       | VDI                             |
|                     | Tool adaption:                                    | Sq. 20                          |
|                     | Coolant:  | EXT                             |
| <b>8 320 43 019</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |                                 |
|                     | Weight [kg]:                                      | 3.720                           |
|                     | Shank size [mm]:                                  | 40.00                           |
|                     | Shank type:                                       | VDI                             |
|                     | Tool adaption:                                    | Clampshaft SH 32                |
|                     | Coolant:  | IC/Ext                          |
|                     | Pressure max [bar]:                               | 70                              |
| <b>8 320 43 021</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |                                 |
|                     | Shank size [mm]:                                  | 40.00                           |
|                     | Shank type:                                       | VDI                             |
|                     | Tool adaption:                                    | Clampshaft SH 32                |
|                     | Coolant:  | IC/Ext                          |
|                     | Pressure max [bar]:                               | 70                              |
|                     | Please note:                                      | Clampshaft internal             |



● heimatec overseas branches

○ global representations of heimatec

**heimatec**<sup>®</sup>

**heimatec GmbH**  
Präzisionswerkzeuge  
Carl-Benz-Str. 4  
77871 Renchen  
Germany

T +49 7843 9466 0  
[www.heimatec.com](http://www.heimatec.com)  
[info@heimatec.com](mailto:info@heimatec.com)

Please find the contact details of our worldwide trading partners on our website:  
<https://heimatec.com/business-partners>