

Emco

# Hyperturn 65 - VDI 30



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

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

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

## \*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems





Tool systems for gear production

Digital tool management

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| Part-#  | Name  |                                |
|---|---|--------------------------------|
| <b>8 010 25 090</b>   | <b>Axial drilling and milling head ER 25</b>          |                                |
|    | Weight [kg]:  | 1.580                          |
|   | Tool drive:   | DIN 5480                       |
|   | Shank size [mm]:                                      | 30.00                          |
|   | Shank type:   | VDI                            |
|   | Tool adaption:  | ER 25                          |
|   | Gear ratio [i]:                                       | 1:1                            |
|   | Torque max [Nm]:                                      | 25                             |
|   | Rotation max [1/min]:                                 | 6000                           |
|   | Rotating direction:                                   | same                           |
|   | Coolant:  | EXT                            |
|   | Please note:  | round housing $\varnothing$ 68 |
| <b>8 010 25 091</b>   | <b>Axial drilling and milling head ER 25 IC</b>       |                                |
|    | Weight [kg]:  | 1.830                          |
|   | Tool drive:   | DIN 5480                       |
|   | Shank size [mm]:                                      | 30.00                          |
|   | Shank type:   | VDI                            |
|   | Tool adaption:  | ER 25                          |
|   | Gear ratio [i]:                                       | 1:1                            |
|   | Torque max [Nm]:                                      | 25                             |
|   | Rotation max [1/min]:                                 | 6000                           |
|   | Rotating direction:                                   | same                           |
|   | Coolant:  | IC/Ext                         |
|   | Pressure max [bar]:                                   | 25                             |
|   | Please note:  | round housing $\varnothing$ 68 |
| <b>8 010 25 118</b>   | <b>Axial drilling and milling head ER 25 AX UT</b>    |                                |
|  | Weight [kg]:  | 1.780                          |
|   | Tool drive:   | DIN 5480                       |
|   | Shank size [mm]:                                      | 30.00                          |
|   | Shank type:   | VDI                            |
|   | Tool adaption:  | ER 25 A - u-tec                |
|   | Gear ratio [i]:                                       | 1:1                            |
|   | Torque max [Nm]:                                      | 25                             |
|   | Rotation max [1/min]:                                 | 12000                          |
|   | Rotating direction:                                   | same                           |
|   | Coolant:  | EXT                            |
|   | Please note:  | stronger bearing               |
| <b>8 010 25 119</b>   | <b>Axial drilling and milling head ER 25 AX UT IC</b> |                                |
|  | Weight [kg]:  | 1.780                          |
|   | Tool drive:   | DIN 5480                       |
|   | Shank size [mm]:                                      | 30.00                          |
|   | Shank type:   | VDI                            |
|   | Tool adaption:  | ER 25 A - u-tec                |
|   | Gear ratio [i]:                                       | 1:1                            |
|   | Torque max [Nm]:                                      | 25                             |
|   | Rotation max [1/min]:                                 | 6000                           |
|   | Rotating direction:                                   | same                           |
|   | Coolant:  | IC/Ext                         |
|   | Pressure max [bar]:                                   | 25                             |
|   | Please note:  | round housing $\varnothing$ 68 |

| Part-#              | Name   |                        |
|---------------------|--|------------------------|
| <b>8 013 22 000</b> | <b>Axial drilling and milling head Weldon 6</b>  |                        |
|                     | Version:   | left                   |
|                     | Tool drive:                                      | DIN 5480               |
|                     | Shank size [mm]:                                 | 30.00                  |
|                     | Shank type:                                      | VDI                    |
|                     | Tool adaption:                                   | Weldon (DIN 1835 b) 6  |
|                     | Gear ratio [i]:                                  | 1:2                    |
|                     | Torque max [Nm]:                                 | 8                      |
|                     | Rotation max [1/min]:                            | 8000                   |
|                     | Rotating direction:                              | same                   |
|                     | Coolant:   | EXT                    |
| <b>8 013 24 014</b> | <b>Axial drilling and milling head Weldon 10</b> |                        |
|                     | Version:   | left                   |
|                     | Tool drive:                                      | DIN 5480               |
|                     | Shank size [mm]:                                 | 30.00                  |
|                     | Shank type:                                      | VDI                    |
|                     | Tool adaption:                                   | Weldon (DIN 1835 b) 10 |
|                     | Gear ratio [i]:                                  | 1:2                    |
|                     | Torque max [Nm]:                                 | 8                      |
|                     | Rotation max [1/min]:                            | 8000                   |
|                     | Rotating direction:                              | same                   |
|                     | Coolant:   | EXT                    |
| <b>8 013 25 004</b> | <b>Axial drilling and milling head ER 25</b>     |                        |
|                     | Weight [kg]:                                     | 4.440                  |
|                     | Version:   | left                   |
|                     | Tool drive:                                      | DIN 5480               |
|                     | Shank size [mm]:                                 | 30.00                  |
|                     | Shank type:                                      | VDI                    |
|                     | Tool adaption:                                   | ER 25                  |
|                     | Gear ratio [i]:                                  | 2:1                    |
|                     | Torque max [Nm]:                                 | 40                     |
|                     | Rotation max [1/min]:                            | 3000                   |
|                     | Rotating direction:                              | same                   |
|                     | Coolant:   | EXT                    |
|                     | Please note:                                     | stronger bearing       |
| <b>8 013 25 007</b> | <b>Axial drilling and milling head Weldon 16</b> |                        |
|                     | Weight [kg]:                                     | 4.320                  |
|                     | Version:   | left                   |
|                     | Tool drive:                                      | DIN 5480               |
|                     | Shank size [mm]:                                 | 30.00                  |
|                     | Shank type:                                      | VDI                    |
|                     | Tool adaption:                                   | Weldon (DIN 1835 b) 16 |
|                     | Gear ratio [i]:                                  | 1:2                    |
|                     | Torque max [Nm]:                                 | 8                      |
|                     | Rotation max [1/min]:                            | 8000                   |
|                     | Rotating direction:                              | same                   |
|                     | Coolant:   | EXT                    |
|                     | Please note:                                     | stronger bearing       |

| Part-#              | Name   |  |
|---------------------|--|--|
| <b>8 014 25 002</b> | <b>Axial milling head universal arbor 22</b>         |  |
|                     | Tool drive:  | DIN 5480   |
|                     | Shank size [mm]:                                     | 30.00  |
|                     | Shank type:  | VDI  |
|                     | Tool adaption:                                       | Universal arbor 22                               |
|                     | Gear ratio [i]:                                      | 2:1  |
|                     | Torque max [Nm]:                                     | 40   |
|                     | Rotation max [1/min]:                                | 3000   |
|                     | Rotating direction:                                  | same   |
|                     | Coolant:   | EXT  |
|                     | Please note:   | stronger bearing                                 |
| <b>8 019 24 054</b> | <b>Axial milling head universal arbor 16</b>         |  |
|                     | Weight [kg]:   | 6.550  |
|                     | Notation:  | offset   |
|                     | Version:   | left   |
|                     | Tool drive:  | DIN 5480   |
|                     | Shank size [mm]:                                     | 30.00  |
|                     | Shank type:  | VDI  |
|                     | Tool adaption:                                       | Universal arbor 16                               |
|                     | Gear ratio [i]:                                      | 3:1  |
|                     | Torque max [Nm]:                                     | 75   |
|                     | Rotation max [1/min]:                                | 3000   |
|                     | Rotating direction:                                  | opposite   |
|                     | Coolant:   | EXT  |
|                     | Please note:   | Taper roller bearings; check applicability; with |
|                     | Offset [mm]:   | 50   |
| <b>8 030 25 014</b> | <b>Radial drilling and milling head ER 25</b>        |  |
|                     | Weight [kg]:   | 4.230  |
|                     | Employment for:                                      | Main spindle                                     |
|                     | Version:   | left   |
|                     | Tool drive:  | DIN 5480   |
|                     | Shank size [mm]:                                     | 30.00  |
|                     | Shank type:  | VDI  |
|                     | Tool adaption:                                       | ER 25  |
|                     | Gear ratio [i]:                                      | 1:1  |
|                     | Torque max [Nm]:                                     | 25   |
|                     | Rotation max [1/min]:                                | 6000   |
|                     | Rotating direction:                                  | opposite   |
|                     | Coolant:   | EXT  |
|                     | Please note:   | with fixation rail                               |
|                     | Center distance [mm]:                                | 100  |
| <b>8 030 25 025</b> | <b>Radial drilling and milling head Weldon 16 IC</b> |  |
|                     | Version:   | left   |
|                     | Tool drive:  | DIN 5480   |
|                     | Shank size [mm]:                                     | 30.00  |
|                     | Shank type:  | VDI  |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 16                           |
|                     | Gear ratio [i]:                                      | 1:1  |
|                     | Torque max [Nm]:                                     | 25   |
|                     | Rotation max [1/min]:                                | 6000   |
|                     | Rotating direction:                                  | opposite   |
|                     | Coolant:   | IC/Ext   |
|                     | Center distance [mm]:                                | 100  |

| Part-#              | Name  |                 |
|---------------------|---|-----------------|
| <b>8 030 25 114</b> | <b>Radial drilling and milling head ER 25</b>       |                 |
|                     | Weight [kg]:  | 4.860           |
|                     | Version:  | left            |
|                     | Tool drive:   | DIN 5480        |
|                     | Shank size [mm]:                                    | 30.00           |
|                     | Shank type:   | VDI             |
|                     | Tool adaption:                                      | ER 25           |
|                     | Gear ratio [i]:                                     | 1:1             |
|                     | Torque max [Nm]:                                    | 25              |
|                     | Rotation max [1/min]:                               | 6000            |
|                     | Rotating direction:                                 | opposite        |
|                     | Coolant:  | EXT             |
|                     | Center distance [mm]:                               | 120             |
| <b>8 030 25 132</b> | <b>Radial drilling and milling head ER 25</b>       |                 |
|                     | Version:  | right           |
|                     | Tool drive:   | DIN 5480        |
|                     | Shank size [mm]:                                    | 30.00           |
|                     | Shank type:   | VDI             |
|                     | Tool adaption:                                      | ER 25           |
|                     | Gear ratio [i]:                                     | 1:1             |
|                     | Torque max [Nm]:                                    | 25              |
|                     | Rotation max [1/min]:                               | 6000            |
|                     | Rotating direction:                                 | opposite        |
|                     | Coolant:  | EXT             |
|                     | Center distance [mm]:                               | 100             |
| <b>8 030 25 152</b> | <b>Radial drilling and milling head ER 25 IC</b>    |                 |
|                     | Version:  | left            |
|                     | Tool drive:   | DIN 5480        |
|                     | Shank size [mm]:                                    | 30.00           |
|                     | Shank type:   | VDI             |
|                     | Tool adaption:                                      | ER 25           |
|                     | Gear ratio [i]:                                     | 1:2             |
|                     | Torque max [Nm]:                                    | 12              |
|                     | Rotation max [1/min]:                               | 12000           |
|                     | Rotating direction:                                 | opposite        |
|                     | Coolant:  | IC/Ext          |
|                     | Pressure max [bar]:                                 | 25              |
|                     | Center distance [mm]:                               | 100             |
| <b>8 030 25 287</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                 |
|                     | Version:  | left            |
|                     | Tool drive:   | DIN 5480        |
|                     | Shank size [mm]:                                    | 30.00           |
|                     | Shank type:   | VDI             |
|                     | Tool adaption:                                      | ER 25 A - u-tec |
|                     | Gear ratio [i]:                                     | 1:1             |
|                     | Torque max [Nm]:                                    | 25              |
|                     | Rotation max [1/min]:                               | 6000            |
|                     | Rotating direction:                                 | opposite        |
|                     | Coolant:  | EXT             |
|                     | Center distance [mm]:                               | 120             |

| Part-#              | Name  |                        |
|---------------------|---|------------------------|
| <b>8 030 25 321</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                        |
|                     | Weight [kg]:  | 5.060                  |
|                     | Version:  | right                  |
|                     | Tool drive:   | DIN 5480               |
|                     | Shank size [mm]:                                    | 30.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | ER 25 A - u-tec        |
|                     | Gear ratio [i]:                                     | 1:1                    |
|                     | Torque max [Nm]:                                    | 25                     |
|                     | Rotation max [1/min]:                               | 6000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Center distance [mm]:                               | 120                    |
| <b>8 030 25 322</b> | <b>Radial drilling and milling head ER 25</b>       |                        |
|                     | Version:  | right                  |
|                     | Tool drive:   | DIN 5480               |
|                     | Shank size [mm]:                                    | 30.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | ER 25                  |
|                     | Gear ratio [i]:                                     | 1:1                    |
|                     | Torque max [Nm]:                                    | 25                     |
|                     | Rotation max [1/min]:                               | 6000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Center distance [mm]:                               | 120                    |
| <b>8 030 26 004</b> | <b>Radial drilling and milling head Weldon 20</b>   |                        |
|                     | Weight [kg]:  | 4.380                  |
|                     | Version:  | left                   |
|                     | Tool drive:   | DIN 5480               |
|                     | Shank size [mm]:                                    | 30.00                  |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | Weldon (DIN 1835 b) 20 |
|                     | Gear ratio [i]:                                     | 1:1                    |
|                     | Torque max [Nm]:                                    | 16                     |
|                     | Rotation max [1/min]:                               | 6000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Please note:  | stronger bearing       |
|                     | Center distance [mm]:                               | 100                    |
| <b>8 030 26 044</b> | <b>Radial drilling and milling head HT 4</b>        |                        |
|                     | Weight [kg]:  | 4.060                  |
|                     | Version:  | right                  |
|                     | Tool drive:   | DIN 5480               |
|                     | Shank type:   | VDI                    |
|                     | Tool adaption:                                      | HT 4                   |
|                     | Gear ratio [i]:                                     | 1:1                    |
|                     | Torque max [Nm]:                                    | 25                     |
|                     | Rotation max [1/min]:                               | 6000                   |
|                     | Rotating direction:                                 | opposite               |
|                     | Coolant:  | EXT                    |
|                     | Center distance [mm]:                               | 100                    |

| Part-#              | Name  |                    |
|---------------------|---|--------------------|
| <b>8 030 26 046</b> | <b>Radial drilling and milling head HT 4 IC</b> |                    |
|                     | Weight [kg]:                                    | 4.380              |
|                     | Version:  | right              |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | HT 4               |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 25                 |
|                     | Rotation max [1/min]:                           | 6000               |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                             | 25                 |
|                     | Center distance [mm]:                           | 100                |
| <b>8 031 23 000</b> | <b>Radial milling head arbor 13</b>             |                    |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | Arbor 13           |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 16                 |
|                     | Rotation max [1/min]:                           | 6000               |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:  | EXT                |
| <b>8 031 25 005</b> | <b>Radial milling head universal arbor 22</b>   |                    |
|                     | Version:  | left               |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | Universal arbor 22 |
|                     | Gear ratio [i]:                                 | 2:1                |
|                     | Torque max [Nm]:                                | 32                 |
|                     | Rotation max [1/min]:                           | 3000               |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:  | EXT                |
| <b>8 036 25 001</b> | <b>Radial drilling and milling head ER 25</b>   |                    |
|                     | Weight [kg]:                                    | 4.200              |
|                     | Version:  | doubletoothed      |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | ER 25              |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 25                 |
|                     | Rotation max [1/min]:                           | 6000               |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:  | EXT                |
|                     | Please note:                                    | with fixation rail |
|                     | Center distance [mm]:                           | 100                |

| Part-#              | Name   |                    |
|---------------------|--|--------------------|
| <b>8 036 25 032</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                    |
|                     | Weight [kg]:   | 4.740              |
|                     | Version:   | doubletoothed      |
|                     | Tool drive:  | DIN 5480           |
|                     | Shank size [mm]:                                       | 30.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | ER 25 A - u-tec    |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 25                 |
|                     | Rotation max [1/min]:                                  | 6000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | IC/Ext             |
|                     | Pressure max [bar]:                                    | 140                |
|                     | Center distance [mm]:                                  | 100                |
| <b>8 036 25 060</b> | <b>Radial drilling and milling head ER 25 AX UT</b>    |                    |
|                     | Version:   | doubletoothed      |
|                     | Tool drive:  | DIN 5480           |
|                     | Shank size [mm]:                                       | 30.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | ER 25 A - u-tec    |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 25                 |
|                     | Rotation max [1/min]:                                  | 6000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | EXT                |
|                     | Please note:   | stronger bearing   |
|                     | Center distance [mm]:                                  | 100                |
| <b>8 036 25 073</b> | <b>Radial drilling and milling head ER 25 IC</b>       |                    |
|                     | Weight [kg]:   | 4.640              |
|                     | Version:   | doubletoothed      |
|                     | Tool drive:  | DIN 5480           |
|                     | Shank size [mm]:                                       | 30.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | ER 25              |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 25                 |
|                     | Rotation max [1/min]:                                  | 6000               |
|                     | Rotating direction:                                    | opposite           |
|                     | Coolant:   | IC/Ext             |
|                     | Pressure max [bar]:                                    | 140                |
|                     | Please note:   | with fixation rail |
|                     | Center distance [mm]:                                  | 100                |
| <b>8 039 25 012</b> | <b>Radial drilling and milling head ER 25</b>          |                    |
|                     | Weight [kg]:   | 4.730              |
|                     | Version:   | double spindle     |
|                     | Tool drive:  | DIN 5480           |
|                     | Shank size [mm]:                                       | 30.00              |
|                     | Shank type:  | VDI                |
|                     | Tool adaption:   | ER 25              |
|                     | Gear ratio [i]:  | 1:1                |
|                     | Torque max [Nm]:                                       | 25                 |
|                     | Rotation max [1/min]:                                  | 6000               |
|                     | Rotating direction:                                    | same/opposite      |
|                     | Coolant:   | EXT                |
|                     | Please note:   | stronger bearing   |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
|                     | Center distance [mm]:                                 | 100              |
| <b>8 039 25 077</b> | <b>Radial drilling and milling head ER 25 AX UT</b>   |                  |
|                     | Weight [kg]:  | 6.100            |
|                     | Version:  | double spindle   |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:                                      | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 25 A - u-tec  |
|                     | Gear ratio [i]:                                       | 1:1              |
|                     | Torque max [Nm]:                                      | 16               |
|                     | Rotation max [1/min]:                                 | 6000             |
|                     | Rotating direction:                                   | same/opposite    |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                                 | 120              |
| <b>8 040 24 011</b> | <b>Universal head ± 90° adjustable ER 20</b>          |                  |
|                     | Weight [kg]:  | 3.300            |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:                                      | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 20            |
|                     | Gear ratio [i]:                                       | 1:1              |
|                     | Torque max [Nm]:                                      | 10               |
|                     | Rotation max [1/min]:                                 | 4000             |
|                     | Rotating direction:                                   | same             |
|                     | Coolant:  | EXT              |
|                     | Please note:  | Special version  |
| <b>8 040 24 073</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b>    |                  |
|                     | Version:  | left             |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:                                      | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 16 A - u-tec  |
|                     | Gear ratio [i]:                                       | 1:1              |
|                     | Torque max [Nm]:                                      | 25               |
|                     | Rotation max [1/min]:                                 | 6000             |
|                     | Rotating direction:                                   | opposite         |
|                     | Coolant:  | EXT              |
|                     | Center distance [mm]:                                 | 88               |
| <b>8 040 24 082</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b> |                  |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:                                      | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 16 A - u-tec  |
|                     | Gear ratio [i]:                                       | 1:1              |
|                     | Torque max [Nm]:                                      | 25               |
|                     | Rotation max [1/min]:                                 | 6000             |
|                     | Rotating direction:                                   | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                                   | 140              |
|                     | Center distance [mm]:                                 | 88               |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
| <b>8 040 24 085</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 16 AX UT</b>    |                  |
|                     | Weight [kg]:  | 4.660            |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:  | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 16 A - u-tec  |
|                     | Gear ratio [i]:   | 1:2              |
|                     | Torque max [Nm]:  | 12               |
|                     | Rotation max [1/min]:   | 12000            |
|                     | Rotating direction:   | opposite         |
|                     | Coolant:  | EXT              |
|                     | Center distance [mm]:   | 88               |
| <b>8 040 25 038</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 25 AX UT</b>    |                  |
|                     | Weight [kg]:  | 4.890            |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:  | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 25 A - u-tec  |
|                     | Gear ratio [i]:   | 1:1              |
|                     | Torque max [Nm]:  | 25               |
|                     | Rotation max [1/min]:   | 6000             |
|                     | Rotating direction:   | opposite         |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:   | 88               |
| <b>8 040 25 039</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 25 AX UT</b>    |                  |
|                     | Weight [kg]:  | 4.900            |
|                     | Version:  | left             |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:  | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 25 A - u-tec  |
|                     | Gear ratio [i]:   | 1:1              |
|                     | Torque max [Nm]:  | 25               |
|                     | Rotation max [1/min]:   | 6000             |
|                     | Rotating direction:   | opposite         |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:   | 88               |
| <b>8 040 25 042</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 25 AX UT IC</b> |                  |
|                     | Weight [kg]:  | 4.840            |
|                     | Version:  | left             |
|                     | Tool drive:   | DIN 5480         |
|                     | Shank size [mm]:  | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:  | ER 25 A - u-tec  |
|                     | Gear ratio [i]:   | 1:1              |
|                     | Torque max [Nm]:  | 25               |
|                     | Rotation max [1/min]:   | 6000             |
|                     | Rotating direction:   | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:   | 140              |
|                     | Please note:  | stronger bearing |


| Part-#              | Name  |                             |
|---------------------|---|-----------------------------|
|                     | Center distance [mm]:                       | 88                          |
| <b>8 200 20 000</b> | <b>Plug Z2-30 K</b>                         |                             |
|                     | Weight [kg]:                                | 0.060                       |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
| <b>8 200 20 005</b> | <b>Plug Z2-30 S</b>                         |                             |
|                     | Weight [kg]:                                | 0.740                       |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
| <b>8 202 20 012</b> | <b>Basic holder longitudinal seat FN 12</b> |                             |
|                     | Weight [kg]:                                | 1.160                       |
|                     | Version:                                    | universal                   |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
|                     | Tool adaption:                              | Interface FN 12             |
|                     | Coolant:                                    | EXT                         |
| <b>8 210 26 011</b> | <b>Tool holder HT 4 IC</b>                  |                             |
|                     | Weight [kg]:                                | 1.270                       |
|                     | Version:                                    | right                       |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
|                     | Tool adaption:                              | HT 4                        |
|                     | Coolant:                                    | IC/Ext                      |
| <b>8 210 26 012</b> | <b>Tool holder HT 4 IC</b>                  |                             |
|                     | Version:                                    | left                        |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
|                     | Tool adaption:                              | HT 4                        |
|                     | Coolant:                                    | IC/Ext                      |
| <b>8 230 27 038</b> | <b>Boring bar holder Ø 28</b>               |                             |
|                     | Version:                                    | right                       |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
|                     | Tool adaption:                              | Ø 28                        |
|                     | Coolant:                                    | IC/Ext                      |
|                     | Please note:                                | demountable in left version |
|                     | Center distance [mm]:                       | 100                         |
| <b>8 230 28 036</b> | <b>Boring bar holder Ø 32</b>               |                             |
|                     | Notation:                                   | offset                      |
|                     | Version:                                    | right                       |
|                     | Shank size [mm]:                            | 30.00                       |
|                     | Shank type:                                 | VDI                         |
|                     | Tool adaption:                              | Ø 32                        |
|                     | Coolant:                                    | IC/Ext                      |
|                     | Center distance [mm]:                       | 100                         |

| Part-#              | Name                             |  |
|---------------------|----------------------------------|--|
| <b>8 230 28 037</b> | <b>Boring bar holder Ø 32</b>    |  |
|                     | Weight [kg]:                     | 4.740  |
|                     | Notation:                        | offset                                       |
|                     | Version:                         | right  |
|                     | Shank size [mm]:                 | 30.00  |
|                     | Shank type:                      | VDI  |
|                     | Tool adaption:                   | Ø 32   |
|                     | Coolant:                         | IC/Ext                                       |
|                     | Please note:                     | Offset dimension from center VDI shaft 35 mm |
|                     | Center distance [mm]:            | 100  |
| <b>8 230 28 056</b> | <b>Boring bar holder Ø 32</b>    |  |
|                     | Weight [kg]:                     | 5.670  |
|                     | Notation:                        | offset                                       |
|                     | Version:                         | right  |
|                     | Shank size [mm]:                 | 30.00  |
|                     | Shank type:                      | VDI  |
|                     | Tool adaption:                   | Ø 32   |
|                     | Coolant:                         | IC/Ext                                       |
|                     | Please note:                     | with fixation rail                           |
|                     | Center distance [mm]:            | 120  |
| <b>8 230 29 005</b> | <b>Boring bar holder Ø 40</b>    |  |
|                     | Weight [kg]:                     | 4.480  |
|                     | Version:                         | right  |
|                     | Shank size [mm]:                 | 30.00  |
|                     | Shank type:                      | VDI  |
|                     | Tool adaption:                   | Ø 40   |
|                     | Coolant:                         | IC/Ext                                       |
|                     | Please note:                     | demountable in left version                  |
|                     | Center distance [mm]:            | 100  |
| <b>8 231 25 009</b> | <b>Collet chuck holder ER 25</b> |  |
|                     | Weight [kg]:                     | 4.000  |
|                     | Version:                         | left   |
|                     | Shank size [mm]:                 | 30.00  |
|                     | Shank type:                      | VDI  |
|                     | Tool adaption:                   | ER 25  |
|                     | Coolant:                         | IC/Ext                                       |
|                     | Please note:                     | demountable in right version                 |
|                     | Center distance [mm]:            | 100  |
| <b>8 231 25 015</b> | <b>Collet chuck holder ER 25</b> |  |
|                     | Version:                         | left   |
|                     | Shank size [mm]:                 | 30.00  |
|                     | Shank type:                      | VDI  |
|                     | Tool adaption:                   | ER 25  |
|                     | Coolant:                         | IC/Ext                                       |
|                     | Please note:                     | demountable in right version                 |
|                     | Center distance [mm]:            | 120  |
| <b>8 231 26 013</b> | <b>Collet chuck holder ER 32</b> |  |
|                     | Weight [kg]:                     | 4.360  |
|                     | Notation:                        | offset                                       |
|                     | Version:                         | left   |
|                     | Shank size [mm]:                 | 30.00  |
|                     | Shank type:                      | VDI  |
|                     | Tool adaption:                   | ER 32  |

| Part-#  | Name                              |                              |
|---|-----------------------------------|------------------------------|
|   | Coolant:                          | IC/Ext                       |
|   | Center distance [mm]:             | 100                          |
| <b>8 231 26 018</b>   | <b>Tool holder HT 4</b>           |                              |
|   | Weight [kg]:                      | 3.940                        |
|   | Version:                          | left                         |
|   | Shank size [mm]:                  | 30.00                        |
|   | Shank type:                       | VDI                          |
|   | Tool adaption:                    | HT 4                         |
|   | Coolant:                          | IC/Ext                       |
|   | Please note:                      | demountable in right version |
|   | Center distance [mm]:             | 100                          |
| <b>8 231 26 037</b>   | <b>Boring bar holder Ø 20</b>     |                              |
|   | Weight [kg]:                      | 4.990                        |
|   | Version:                          | left                         |
|   | Shank size [mm]:                  | 30.00                        |
|   | Shank type:                       | VDI                          |
|   | Tool adaption:                    | Ø 20                         |
|   | Coolant:                          | IC/Ext                       |
|   | Please note:                      | demountable in right version |
|   | Center distance [mm]:             | 100                          |
| <b>8 231 27 027</b>   | <b>Boring bar holder Ø 1 1/4"</b> |                              |
|  | Weight [kg]:                      | 4.600                        |
|   | Version:                          | left                         |
|   | Shank size [mm]:                  | 30.00                        |
|   | Shank type:                       | VDI                          |
|   | Tool adaption:                    | Ø 1 1/4" (31,75mm)           |
|   | Coolant:                          | IC/Ext                       |
|   | Please note:                      | demountable in right version |
|   | Center distance [mm]:             | 100                          |
| <b>8 231 28 007</b>   | <b>Boring bar holder Ø 32</b>     |                              |
|  | Weight [kg]:                      | 4.000                        |
|   | Notation:                         | offset                       |
|   | Version:                          | left                         |
|   | Shank size [mm]:                  | 30.00                        |
|   | Shank type:                       | VDI                          |
|   | Tool adaption:                    | Ø 32                         |
|   | Coolant:                          | IC/Ext                       |
|   | Center distance [mm]:             | 100                          |
| <b>8 231 28 008</b>   | <b>Boring bar holder Ø 32</b>     |                              |
|   | Weight [kg]:                      | 4.200                        |
|   | Version:                          | left                         |
|   | Shank size [mm]:                  | 30.00                        |
|   | Shank type:                       | VDI                          |
|   | Tool adaption:                    | Ø 32                         |
|   | Coolant:                          | IC/Ext                       |
|   | Please note:                      | demountable in right version |
|   | Center distance [mm]:             | 85                           |

| Part-#              | Name                          |  |
|---------------------|-------------------------------|--|
| <b>8 231 28 009</b> | <b>Boring bar holder Ø 32</b> |  |
|                     | Weight [kg]:                  | 4.740  |
|                     | Version:                      | left   |
|                     | Shank size [mm]:              | 30.00  |
|                     | Shank type:                   | VDI  |
|                     | Tool adaption:                | Ø 32   |
|                     | Coolant:                      | IC/Ext                                       |
|                     | Please note:                  | demountable in right version                 |
|                     | Center distance [mm]:         | 100  |
| <b>8 231 28 014</b> | <b>Boring bar holder Ø 32</b> |  |
|                     | Weight [kg]:                  | 4.100  |
|                     | Notation:                     | offset                                       |
|                     | Version:                      | left   |
|                     | Shank size [mm]:              | 30.00  |
|                     | Shank type:                   | VDI  |
|                     | Tool adaption:                | Ø 32   |
|                     | Coolant:                      | IC/Ext                                       |
|                     | Center distance [mm]:         | 100  |
| <b>8 231 28 016</b> | <b>Boring bar holder Ø 32</b> |  |
|                     | Notation:                     | offset                                       |
|                     | Version:                      | left   |
|                     | Shank size [mm]:              | 30.00  |
|                     | Shank type:                   | VDI  |
|                     | Tool adaption:                | Ø 32   |
|                     | Coolant:                      | IC/Ext                                       |
|                     | Please note:                  | Offset dimension from center VDI shaft 35 mm |
|                     | Center distance [mm]:         | 100  |
| <b>8 231 28 024</b> | <b>Tool holder HT 6</b>       |  |
|                     | Notation:                     | offset                                       |
|                     | Version:                      | left   |
|                     | Shank size [mm]:              | 30.00  |
|                     | Shank type:                   | VDI  |
|                     | Tool adaption:                | HT 6   |
|                     | Coolant:                      | IC/Ext                                       |
|                     | Please note:                  | with fixation rail                           |
|                     | Center distance [mm]:         | 100  |
| <b>8 231 29 003</b> | <b>Boring bar holder Ø 40</b> |  |
|                     | Weight [kg]:                  | 4.490  |
|                     | Version:                      | left   |
|                     | Shank size [mm]:              | 30.00  |
|                     | Shank type:                   | VDI  |
|                     | Tool adaption:                | Ø 40   |
|                     | Coolant:                      | IC/Ext                                       |
|                     | Please note:                  | demountable in right version                 |
|                     | Center distance [mm]:         | 100  |
| <b>8 236 28 007</b> | <b>Tool holder HT 6</b>       |  |
|                     | Weight [kg]:                  | 5.830  |
|                     | Notation:                     | offset                                       |
|                     | Version:                      | doubletoothed                                |
|                     | Shank size [mm]:              | 30.00  |
|                     | Shank type:                   | VDI  |
|                     | Tool adaption:                | HT 6   |
|                     | Coolant:                      | IC/Ext                                       |

| Part-#              | Name  |                    |
|---------------------|---|--------------------|
|                     | Please note:                                      | with fixation rail |
|                     | Center distance [mm]:                             | 120                |
| <b>8 239 25 018</b> | <b>Double collet chuck holder ER 25</b>           |                    |
|                     | Weight [kg]:                                      | 4.260              |
|                     | Shank size [mm]:                                  | 30.00              |
|                     | Shank type:                                       | VDI                |
|                     | Tool adaption:                                    | ER 25              |
|                     | Coolant:  | IC/Ext             |
|                     | Center distance [mm]:                             | 100                |
| <b>8 239 27 011</b> | <b>Double boring bar holder Ø 25</b>              |                    |
|                     | Weight [kg]:                                      | 6.580              |
|                     | Shank size [mm]:                                  | 30.00              |
|                     | Shank type:                                       | VDI                |
|                     | Tool adaption:                                    | Ø 25               |
|                     | Coolant:  | IC/Ext             |
|                     | Center distance [mm]:                             | 100                |
| <b>8 239 28 009</b> | <b>Double boring bar holder Ø 32</b>              |                    |
|                     | Weight [kg]:                                      | 6.260              |
|                     | Shank size [mm]:                                  | 30.00              |
|                     | Shank type:                                       | VDI                |
|                     | Tool adaption:                                    | Ø 32               |
|                     | Coolant:  | IC/Ext             |
|                     | Center distance [mm]:                             | 100                |
| <b>8 251 24 002</b> | <b>Combi double turning holder sq. 20</b>         |                    |
|                     | Weight [kg]:                                      | 4.600              |
|                     | Shank size [mm]:                                  | 30.00              |
|                     | Shank type:                                       | VDI                |
|                     | Tool adaption:                                    | Sq. 20             |
|                     | Coolant:  | EXT                |
| <b>8 262 29 022</b> | <b>Stock stop VDI 30 - Ø 60 OD turret</b>         |                    |
|                     | Weight [kg]:                                      | 4.220              |
|                     | Notation:   | rotating           |
|                     | Version:  | left               |
|                     | Shank size [mm]:                                  | 30.00              |
|                     | Shank type:                                       | VDI                |
|                     | Rotation max [1/min]:                             | 8000               |
|                     | Coolant:  | no                 |
|                     | Please note:                                      | Length adjustable  |
|                     | Center distance [mm]:                             | 100                |
| <b>8 320 22 019</b> | <b>Cut-off holder, height adjustable SH 26 IC</b> |                    |
|                     | Weight [kg]:                                      | 1.510              |
|                     | Version:  | universal          |
|                     | Shank size [mm]:                                  | 30.00              |
|                     | Shank type:                                       | VDI                |
|                     | Tool adaption:                                    | Clampshaft SH 26   |
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                               | 70                 |

| Part-#              | Name  |  |
|---------------------|---|--|
| <b>8 320 23 013</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |  |
|                     | Weight [kg]:                                      | 1.720  |
|                     | Version:  | universal  |
|                     | Shank size [mm]:                                  | 30.00  |
|                     | Shank type:                                       | VDI  |
|                     | Tool adaption:                                    | Clampshaft SH 32   |
|                     | Coolant:  | IC/Ext   |
|                     | Pressure max [bar]:                               | 70   |
| <b>8 320 23 018</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |  |
|                     | Weight [kg]:                                      | 1.910  |
|                     | Version:  | universal  |
|                     | Shank size [mm]:                                  | 30.00  |
|                     | Shank type:                                       | VDI  |
|                     | Tool adaption:                                    | Clampshaft SH 32   |
|                     | Coolant:  | IC/Ext   |
|                     | Pressure max [bar]:                               | 70   |
|                     | Please note:                                      | Clampshaft internal  |
| <b>8 320 23 038</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |  |
|                     | Weight [kg]:                                      | 1.900  |
|                     | Version:  | universal  |
|                     | Shank size [mm]:                                  | 30.00  |
|                     | Shank type:                                       | VDI  |
|                     | Tool adaption:                                    | Clampshaft SH 32   |
|                     | Coolant:  | IC/Ext   |
|                     | Pressure max [bar]:                               | 70   |
|                     | Please note:                                      | Clampshaft internal, check applicability!  |
| <b>8 320 29 002</b> | <b>Cut-off holder, height adjustable 845 IC</b>   |  |
|                     | Weight [kg]:                                      | 1.630  |
|                     | Version:  | universal  |
|                     | Shank size [mm]:                                  | 30.00  |
|                     | Shank type:                                       | VDI  |
|                     | Tool adaption:                                    |  System 845 |
|                     | Coolant:  | IC   |
|                     | Pressure max [bar]:                               | 70   |



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