

DMG MORI  
**CTX beta 800 -**  
**VDI 40**



# 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 45 053</b>   | <b>Axial drilling and milling head ER 25 IC</b> |
| Weight [kg]:          | 3.420   |
| Tool drive:           | DIN 5480  |
| 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:              | IC/Ext  |
| Pressure max [bar]:   | 25  |
| Please note:          | round housing ø 84                              |

|                       |  |
|-----------------------|--|
| <b>8 010 45 094</b>   | <b>Axial drilling and milling head ER 25 AX UT</b> |
| Weight [kg]:          | 3.440  |
| Tool drive:           | DIN 5480   |
| 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:   | same   |
| Coolant:              | EXT  |

|                       |   |
|-----------------------|---|
| <b>8 010 45 156</b>   | <b>Axial drilling and milling head ER 25 AX UT IC</b> |
| Weight [kg]:          | 3.410   |
| Tool drive:           | DIN 5480  |
| 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:   | same  |
| Coolant:              | IC/Ext  |
| Pressure max [bar]:   | 25  |



|                       |  |
|-----------------------|--|
| <b>8 010 46 152</b>   | <b>Axial drilling and milling head ER 32 AX UT</b> |
| Weight [kg]:          | 3.270  |
| Tool drive:           | DIN 5480   |
| 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:   | same   |
| Coolant:              | EXT  |


| Part-#              | Name  |
|---------------------|---|
| <b>8 010 46 165</b> | <b>Axial drilling and milling head ER 32 AX UT IC</b> |
|                     | Weight [kg]: 3.440                                    |
|                     | Tool drive: DIN 5480                                  |
|                     | 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: same                              |
|                     | Coolant: IC/Ext                                       |
|                     | Pressure max [bar]: 25                                |
| <b>8 010 46 235</b> | <b>Axial drilling and milling head ER 32 AX UT IC</b> |
|                     | Tool drive: DIN 5480                                  |
|                     | 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]: 10000                           |
|                     | Rotating direction: same                              |
|                     | Coolant: IC/Ext                                       |
|                     | Pressure max [bar]: 100                               |
|                     | Please note: Dryrun possible                          |
| <b>8 010 47 034</b> | <b>Axial drilling and milling head HT 5</b>           |
|                     | Weight [kg]: 3.300                                    |
|                     | Tool drive: DIN 5480                                  |
|                     | 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: same                              |
|                     | Coolant: EXT  |
|                     | Please note: round housing Ø 84                       |
| <b>8 010 48 001</b> | <b>Axial drilling and milling head HT 6 IC</b>        |
|                     | Weight [kg]: 4.220                                    |
|                     | Tool drive: DIN 5480                                  |
|                     | Shank size [mm]: 40.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: HT 6                                   |
|                     | Gear ratio [i]: 1:1                                   |
|                     | Torque max [Nm]: 50                                   |
|                     | Rotation max [1/min]: 6000                            |
|                     | Rotating direction: same                              |
|                     | Coolant: IC/Ext                                       |
|                     | Pressure max [bar]: 25                                |
|                     | Please note: round housing ø 84                       |

| Part-#              | Name  |                 |
|---------------------|---|-----------------|
| <b>8 013 44 005</b> | <b>Axial drilling and milling head ER 16 AX UT</b>  |                 |
|                     | Weight [kg]:  | 2.940           |
|                     | Tool drive:   | DIN 5480        |
|                     | Shank size [mm]:                                    | 40.00           |
|                     | Shank type:   | VDI             |
|                     | Tool adaption:                                      | ER 16 A - u-tec |
|                     | Gear ratio [i]:                                     | 1:4             |
|                     | Torque max [Nm]:                                    | 5               |
|                     | Rotation max [1/min]:                               | 24000           |
|                     | Rotating direction:                                 | same            |
|                     | Coolant:  | EXT             |
| <b>8 030 45 085</b> | <b>Radial drilling and milling head ER 25</b>       |                 |
|                     | Weight [kg]:  | 6.560           |
|                     | Version:  | right           |
|                     | Tool drive:   | DIN 5480        |
|                     | 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]:                               | 100             |
| <b>8 030 45 090</b> | <b>Radial drilling and milling head ER 25</b>       |                 |
|                     | Version:  | left            |
|                     | Tool drive:   | DIN 5480        |
|                     | 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]:                               | 100             |
| <b>8 030 45 223</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                 |
|                     | Weight [kg]:  | 6.520           |
|                     | Version:  | right           |
|                     | Tool drive:   | DIN 5480        |
|                     | 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]:                               | 100             |

| Part-#              | Name   |                   |
|---------------------|--|-------------------|
| <b>8 030 46 113</b> | <b>Radial drilling and milling head ER 32</b>    |                   |
|                     | Weight [kg]:                                     | 7.500             |
|                     | Version:   | left              |
|                     | Tool drive:                                      | DIN 5480          |
|                     | 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               |
|                     | Please note:                                     | with fixation pin |
|                     | Center distance [mm]:                            | 120               |
| <b>8 030 46 119</b> | <b>Radial drilling and milling head ER 32</b>    |                   |
|                     | Weight [kg]:                                     | 6.630             |
|                     | Version:   | left              |
|                     | Tool drive:                                      | DIN 5480          |
|                     | 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]:                            | 100               |
| <b>8 030 46 120</b> | <b>Radial drilling and milling head ER 32 IC</b> |                   |
|                     | Weight [kg]:                                     | 7.990             |
|                     | Version:   | left              |
|                     | Tool drive:                                      | DIN 5480          |
|                     | 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:   | IC/Ext            |
|                     | Pressure max [bar]:                              | 140               |
|                     | Center distance [mm]:                            | 120               |
| <b>8 030 46 141</b> | <b>Radial drilling and milling head ER 32</b>    |                   |
|                     | Weight [kg]:                                     | 7.480             |
|                     | Version:   | left              |
|                     | Tool drive:                                      | DIN 5480          |
|                     | Shank size [mm]:                                 | 40.00             |
|                     | Shank type:                                      | VDI               |
|                     | Tool adaption:                                   | ER 32             |
|                     | Gear ratio [i]:                                  | 2:1               |
|                     | Torque max [Nm]:                                 | 63                |
|                     | Rotation max [1/min]:                            | 3000              |
|                     | Rotating direction:                              | opposite          |
|                     | Coolant:   | EXT               |
|                     | Please note:                                     | with fixation pin |
|                     | Center distance [mm]:                            | 120               |

| Part-#              | Name   |                   |
|---------------------|--|-------------------|
| <b>8 030 46 170</b> | <b>Radial drilling and milling head ER 32 IC</b>       |                   |
|                     | Version:   | left              |
|                     | Tool drive:  | DIN 5480          |
|                     | 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:   | IC/Ext            |
|                     | Pressure max [bar]:                                    | 140               |
|                     | Please note:   | with fixation pin |
|                     | Center distance [mm]:                                  | 100               |
| <b>8 030 46 249</b> | <b>Radial drilling and milling head ER 32</b>          |                   |
|                     | Weight [kg]:   | 6.820             |
|                     | Version:   | left              |
|                     | Tool drive:  | DIN 5480          |
|                     | 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:                                    | same              |
|                     | Coolant:   | EXT               |
|                     | Center distance [mm]:                                  | 100               |
| <b>8 030 46 251</b> | <b>Radial drilling and milling head ER 32 IC</b>       |                   |
|                     | Weight [kg]:   | 7.540             |
|                     | Version:   | left              |
|                     | Tool drive:  | DIN 5480          |
|                     | 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:                                    | same              |
|                     | Coolant:   | IC/Ext            |
|                     | Pressure max [bar]:                                    | 25                |
|                     | Center distance [mm]:                                  | 100               |
| <b>8 030 46 304</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                   |
|                     | Version:   | left              |
|                     | Tool drive:  | DIN 5480          |
|                     | 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]:                                  | 100               |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
| <b>8 030 46 306</b> | <b>Radial drilling and milling head ER 32 AX UT</b> |                  |
|                     | Weight [kg]:  | 6.390            |
|                     | Version:  | left             |
|                     | Tool drive:   | DIN 5480         |
|                     | 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]:                               | 100              |
| <b>8 030 46 307</b> | <b>Radial drilling and milling head ER 32 AX UT</b> |                  |
|                     | Weight [kg]:  | 6.310            |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5480         |
|                     | 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]:                               | 100              |
| <b>8 030 46 317</b> | <b>Radial drilling and milling head ER 32 AX UT</b> |                  |
|                     | Weight [kg]:  | 7.280            |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5480         |
|                     | 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]:                               | 120              |
| <b>8 030 47 029</b> | <b>Radial drilling and milling head HT 5</b>        |                  |
|                     | Version:  | left             |
|                     | Tool drive:   | DIN 5480         |
|                     | 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              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                               | 120              |

| Part-#  | Name                  |   |   |
|---|-----------------------|---|---|
|  | <b>8 030 47 059</b>   | <b>Radial drilling and milling head HT 5 IC</b> |   |
|   |                       | Weight [kg]:                                    | 8.030   |
|   |                       | Version:  | left  |
|   |                       | Tool drive:                                     | DIN 5480  |
|   |                       | 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]:                           | 4000  |
|   |                       | Rotating direction:                             | opposite  |
|   |                       | Coolant:  | IC/Ext  |
|   |                       | Pressure max [bar]:                             | 140   |
|   |                       | Center distance [mm]:                           | 120   |
|   | <b>8 030 47 067</b>   | <b>Radial drilling and milling head HT 5</b>    |   |
|   |                       | Weight [kg]:                                    | 5.560   |
|   |                       | Version:  | left  |
|   |                       | Tool drive:                                     | DIN 5480  |
|   |                       | 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]:                           | 100   |
|   |                       | <b>8 030 47 142</b>                             | <b>Radial drilling and milling head HT 5 IC</b> |
|   |                       | Weight [kg]:                                    | 8.290   |
|   |                       | Version:  | right   |
|   |                       | Tool drive:                                     | DIN 5480  |
|   |                       | Shank size [mm]:                                | 40.00   |
|   |                       | Shank type:                                     | VDI   |
|   |                       | Tool adaption:                                  | HT 5  |
|   |                       | Gear ratio [i]:                                 | 1:2   |
|   |                       | Torque max [Nm]:                                | 16  |
|   |                       | Rotation max [1/min]:                           | 12000   |
|   |                       | Rotating direction:                             | opposite  |
|   |                       | Coolant:  | IC/Ext  |
|   |                       | Pressure max [bar]:                             | 140   |
|   |                       | Please note:                                    | stronger bearing                                |
|   | Center distance [mm]: | 100   |   |
|   | <b>8 030 47 153</b>   | <b>Radial drilling and milling head HT 5 IC</b> |   |
|   |                       | Weight [kg]:                                    | 8.610   |
|   |                       | Version:  | right   |
|   |                       | Tool drive:                                     | DIN 5480  |
|   |                       | 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]:                             | 140   |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
|                     | Please note:                                    | stronger bearing |
|                     | Center distance [mm]:                           | 120              |
| <b>8 030 48 004</b> | <b>Radial drilling and milling head HT 6 IC</b> |                  |
|                     | Version:  | left             |
|                     | Tool drive:                                     | DIN 5480         |
|                     | Shank size [mm]:                                | 40.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | HT 6             |
|                     | Gear ratio [i]:                                 | 2:1              |
|                     | Torque max [Nm]:                                | 63               |
|                     | Rotation max [1/min]:                           | 4000             |
|                     | Rotating direction:                             | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                             | 25               |
|                     | Please note:                                    | stronger bearing |
|                     | Center distance [mm]:                           | 120              |
| <b>8 030 48 005</b> | <b>Radial drilling and milling head HT 6 IC</b> |                  |
|                     | Version:  | left             |
|                     | Tool drive:                                     | DIN 5480         |
|                     | Shank size [mm]:                                | 40.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | HT 6             |
|                     | Gear ratio [i]:                                 | 1:2              |
|                     | Torque max [Nm]:                                | 16               |
|                     | Rotation max [1/min]:                           | 8000             |
|                     | Rotating direction:                             | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Please note:                                    | stronger bearing |
|                     | Center distance [mm]:                           | 120              |
| <b>8 030 48 006</b> | <b>Radial drilling and milling head HT 6 IC</b> |                  |
|                     | Weight [kg]:                                    | 7.900            |
|                     | Version:  | left             |
|                     | Tool drive:                                     | DIN 5480         |
|                     | Shank size [mm]:                                | 40.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | HT 6             |
|                     | 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 |
|                     | Center distance [mm]:                           | 100              |
| <b>8 030 48 017</b> | <b>Radial drilling and milling head HT 6 IC</b> |                  |
|                     | Version:  | Special; left    |
|                     | Tool drive:                                     | DIN 5480         |
|                     | Shank size [mm]:                                | 40.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | HT 6             |
|                     | Gear ratio [i]:                                 | 1:1              |
|                     | Torque max [Nm]:                                | 50               |
|                     | Rotation max [1/min]:                           | 6000             |
|                     | Rotating direction:                             | opposite         |

| Part-#              | Name  |                    |
|---------------------|---|--------------------|
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                                 | 25                 |
|                     | Please note:  | stronger bearing   |
|                     | Center distance [mm]:                               | 120                |
| <b>8 031 44 025</b> | <b>Radial milling head universal arbor 16</b>       |                    |
|                     | Version:  | left               |
|                     | Tool drive:   | DIN 5480           |
|                     | 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]:                               | 100                |
| <b>8 031 45 019</b> | <b>Radial polygon head arbor 22</b>                 |                    |
|                     | Weight [kg]:  | 7.330              |
|                     | Version:  | left               |
|                     | Tool drive:   | DIN 5480           |
|                     | Shank size [mm]:                                    | 40.00              |
|                     | Shank type:   | VDI                |
|                     | Tool adaption:                                      | Polygon arbor 22   |
|                     | 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]:                               | 100                |
| <b>8 031 46 009</b> | <b>Radial milling head universal arbor 27</b>       |                    |
|                     | Version:  | left               |
|                     | Tool drive:   | DIN 5480           |
|                     | Shank size [mm]:                                    | 40.00              |
|                     | Shank type:   | VDI                |
|                     | Tool adaption:                                      | Universal arbor 27 |
|                     | Gear ratio [i]:                                     | 2:1                |
|                     | Torque max [Nm]:                                    | 63                 |
|                     | Rotation max [1/min]:                               | 3000               |
|                     | Rotating direction:                                 | opposite           |
|                     | Coolant:  | EXT                |
|                     | Please note:  | Combi bearing      |
|                     | Center distance [mm]:                               | 100                |
| <b>8 033 46 115</b> | <b>Radial drilling and milling head ER 32 AX UT</b> |                    |
|                     | Weight [kg]:  | 7.630              |
|                     | Notation:   | offset             |
|                     | Version:  | right              |
|                     | Tool drive:   | DIN 5480           |
|                     | 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               |

| Part-#              | Name  |          |
|---------------------|---|----------|
|                     | Rotating direction:                             | same     |
|                     | Coolant:  | EXT      |
|                     | Center distance [mm]:                           | 100      |
| <b>8 033 47 013</b> | <b>Radial drilling and milling head HT 5 IC</b> |          |
|                     | Weight [kg]:                                    | 8.480    |
|                     | Notation:                                       | offset   |
|                     | Version:  | right    |
|                     | Tool drive:                                     | DIN 5480 |
|                     | 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:                             | same     |
|                     | Coolant:  | IC/Ext   |
|                     | Pressure max [bar]:                             | 140      |
|                     | Center distance [mm]:                           | 100      |
| <b>8 033 47 023</b> | <b>Radial drilling and milling head HT 5</b>    |          |
|                     | Weight [kg]:                                    | 8.960    |
|                     | Notation:                                       | offset   |
|                     | Version:  | left     |
|                     | Tool drive:                                     | DIN 5480 |
|                     | 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:                             | same     |
|                     | Coolant:  | EXT      |
|                     | Center distance [mm]:                           | 120      |
| <b>8 033 47 030</b> | <b>Radial drilling and milling head HT 5 IC</b> |          |
|                     | Weight [kg]:                                    | 9.540    |
|                     | Notation:                                       | offset   |
|                     | Version:  | left     |
|                     | Tool drive:                                     | DIN 5480 |
|                     | 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:                             | same     |
|                     | Coolant:  | IC/Ext   |
|                     | Pressure max [bar]:                             | 140      |
|                     | Center distance [mm]:                           | 120      |
| <b>8 033 48 003</b> | <b>Radial drilling and milling head HT 6 IC</b> |          |
|                     | Weight [kg]:                                    | 8.940    |
|                     | Notation:                                       | offset   |
|                     | Version:  | right    |
|                     | Tool drive:                                     | DIN 5480 |
|                     | Shank size [mm]:                                | 40.00    |
|                     | Shank type:                                     | VDI      |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
|                     | Tool adaption:                                  | HT 6             |
|                     | Gear ratio [i]:                                 | 1:1              |
|                     | Torque max [Nm]:                                | 50               |
|                     | Rotation max [1/min]:                           | 6000             |
|                     | Rotating direction:                             | same             |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                             | 140              |
|                     | Please note:                                    | stronger bearing |
|                     | Center distance [mm]:                           | 100              |
| <b>8 033 48 004</b> | <b>Radial drilling and milling head HT 6 IC</b> |                  |
|                     | Weight [kg]:                                    | 10.290           |
|                     | Notation:                                       | offset           |
|                     | Version:  | left             |
|                     | Tool drive:                                     | DIN 5480         |
|                     | Shank size [mm]:                                | 40.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | HT 6             |
|                     | Gear ratio [i]:                                 | 1:1              |
|                     | Torque max [Nm]:                                | 50               |
|                     | Rotation max [1/min]:                           | 6000             |
|                     | Rotating direction:                             | same             |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                             | 140              |
|                     | Please note:                                    | stronger bearing |
|                     | Center distance [mm]:                           | 120              |
| <b>8 033 48 005</b> | <b>Radial drilling and milling head HT 6</b>    |                  |
|                     | Notation:                                       | offset           |
|                     | Version:  | left             |
|                     | Tool drive:                                     | DIN 5480         |
|                     | Shank size [mm]:                                | 40.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | HT 6             |
|                     | Gear ratio [i]:                                 | 1:1              |
|                     | Torque max [Nm]:                                | 50               |
|                     | Rotation max [1/min]:                           | 6000             |
|                     | Rotating direction:                             | same             |
|                     | Coolant:  | EXT              |
|                     | Please note:                                    | stronger bearing |
|                     | Center distance [mm]:                           | 120              |
| <b>8 036 45 008</b> | <b>Radial drilling and milling head ER 25</b>   |                  |
|                     | Weight [kg]:                                    | 7.480            |
|                     | Version:  | doubletoothed    |
|                     | Tool drive:                                     | DIN 5480         |
|                     | 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]:                           | 120              |

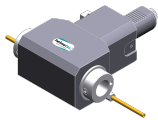
| Part-#              | Name   |                 |
|---------------------|--|-----------------|
| <b>8 036 46 010</b> | <b>Radial drilling and milling head ER 32 AX UT</b>    |                 |
|                     | Weight [kg]:   | 6.490           |
|                     | Version:   | doubletoothed   |
|                     | Tool drive:  | DIN 5480        |
|                     | 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]:                                  | 100             |
| <b>8 036 46 011</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                 |
|                     | Weight [kg]:   | 7.870           |
|                     | Version:   | doubletoothed   |
|                     | Tool drive:  | DIN 5480        |
|                     | 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]:                                  | 120             |
| <b>8 036 46 012</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                 |
|                     | Weight [kg]:   | 6.920           |
|                     | Version:   | doubletoothed   |
|                     | Tool drive:  | DIN 5480        |
|                     | 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]:                                  | 100             |
| <b>8 036 46 014</b> | <b>Radial drilling and milling head ER 32 AX UT</b>    |                 |
|                     | Weight [kg]:   | 7.270           |
|                     | Version:   | doubletoothed   |
|                     | Tool drive:  | DIN 5480        |
|                     | 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]:                                  | 120             |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
| <b>8 039 45 031</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:  | 8.770            |
|                     | Version:  | double spindle   |
|                     | Tool drive:   | DIN 5480         |
|                     | 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:                                 | same/opposite    |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                               | 120              |
| <b>8 039 45 048</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:  | 7.940            |
|                     | Version:  | double spindle   |
|                     | Tool drive:   | DIN 5480         |
|                     | 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:                                 | same/opposite    |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                               | 100              |
| <b>8 039 46 016</b> | <b>Radial drilling and milling head ER 32</b>       |                  |
|                     | Version:  | double spindle   |
|                     | Tool drive:   | DIN 5480         |
|                     | 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:                                 | same/opposite    |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                               | 120              |
| <b>8 039 46 056</b> | <b>Radial drilling and milling head ER 32 AX UT</b> |                  |
|                     | Version:  | double spindle   |
|                     | Tool drive:   | DIN 5480         |
|                     | 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:                                 | same/opposite    |
|                     | Coolant:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                               | 120              |

| Part-# | Name |
|--------|------|
|--------|------|

|                     |   |                               |
|---------------------|---|-------------------------------|
| <b>8 039 46 058</b> | <b>Radial drilling and milling head ER 32 AX UT</b> | 8.640                         |
|                     | Weight [kg]:  | 8.640                         |
|                     | Version:  | double spindle; doubletoothed |
|                     | Tool drive:   | DIN 5480                      |
|                     | 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:                                 | same/opposite                 |
|                     | Coolant:  | EXT                           |
|                     | Please note:  | stronger bearing              |
|                     | Center distance [mm]:                               | 120                           |


|                     |  |                  |
|---------------------|--|------------------|
| <b>8 039 47 004</b> | <b>Radial drilling and milling head HT 5</b> | 9.120            |
|                     | Weight [kg]:                                 | 9.120            |
|                     | Version:                                     | double spindle   |
|                     | Tool drive:                                  | DIN 5480         |
|                     | 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:                          | same/opposite    |
|                     | Coolant:                                     | EXT              |
|                     | Please note:                                 | stronger bearing |
|                     | Center distance [mm]:                        | 120              |

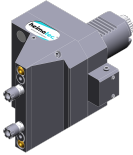


|                     |  |                 |
|---------------------|--|-----------------|
| <b>8 040 44 066</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b> |                 |
|                     | Version:   | right           |
|                     | Tool drive:  | DIN 5480        |
|                     | 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:   | EXT             |
|                     | Center distance [mm]:                              | 87              |

|                     |  |                 |
|---------------------|--|-----------------|
| <b>8 040 44 067</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b> |                 |
|                     | Weight [kg]:                                       | 4.890           |
|                     | Version:   | left            |
|                     | Tool drive:  | DIN 5480        |
|                     | 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:   | EXT             |
|                     | Center distance [mm]:                              | 87              |

| Part-#              | Name  |
|---------------------|---|
| <b>8 040 44 070</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b> |
|                     | Version: right  |
|                     | Tool drive: DIN 5480                                  |
|                     | 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                               |
|                     | Center distance [mm]: 87                              |
| <b>8 040 44 074</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b>    |
|                     | Version: left   |
|                     | Tool drive: DIN 5480                                  |
|                     | Shank size [mm]: 40.00                                |
|                     | 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]: 87                              |
| <b>8 040 44 078</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b> |
|                     | Weight [kg]: 4.980                                    |
|                     | Version: left   |
|                     | Tool drive: DIN 5480                                  |
|                     | Shank size [mm]: 40.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: ER 16 A - u-tec                        |
|                     | Gear ratio [i]: 1:2                                   |
|                     | Torque max [Nm]: 12                                   |
|                     | Rotation max [1/min]: 12000                           |
|                     | Rotating direction: opposite                          |
|                     | Coolant: IC/Ext                                       |
|                     | Pressure max [bar]: 140                               |
|                     | Center distance [mm]: 87                              |
| <b>8 040 45 067</b> | <b>Universal head ± 90° adjustable ER 25 AX UT</b>    |
|                     | Weight [kg]: 6.250                                    |
|                     | Version: right  |
|                     | Tool drive: DIN 5480                                  |
|                     | 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: EXT  |
|                     | Please note: Note swivel range! strong bearing        |
|                     | Center distance [mm]: 120                             |

| Part-#  | Name   |
|---|--|
| <b>8 040 45 073</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b>  |
|  | Version: left<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: stronger bearing<br>Center distance [mm]: 87                        |
| <b>8 040 45 093</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT</b>   |
|   | Weight [kg]: 5.160<br>Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: EXT<br>Please note: stronger bearing<br>Center distance [mm]: 87                               |
| <b>8 040 45 095</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b>  |
|   | Weight [kg]: 5.160<br>Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: stronger bearing<br>Center distance [mm]: 87 |
| <b>8 040 45 103</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b>  |
|   | Weight [kg]: 5.170<br>Version: left; at 65° position can be pinned<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext   |

| Part-#   | Name   |                      |
|--|--|----------------------|
|  | Pressure max [bar]:                          | 140                  |
|  | Please note:                                 | stronger bearing     |
|  | Center distance [mm]:                        | 87                   |
| <b>8 040 45 139</b>  | <b>Universal head ± 90° adjustable ER 25</b> |                      |
|  | Weight [kg]:                                 | 5.230                |
|  | Version:                                     | left                 |
|  | Tool drive:                                  | DIN 5480             |
|  | Shank size [mm]:                             | 40.00                |
|  | 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:                                 | stronger bearing     |
|  | Center distance [mm]:                        | 87                   |
| <b>8 050 42 004</b>  | <b>Multispindle drilling head ER 8</b>       |                      |
|  | Weight [kg]:                                 | 4.780                |
|  | Notation:                                    | offset               |
|  | Version:                                     | 2-spindles           |
|  | Tool drive:                                  | DIN 5480             |
|  | Shank size [mm]:                             | 40.00                |
|  | Shank type:                                  | VDI                  |
|  | Tool adaption:                               | ER 8                 |
|  | Gear ratio [i]:                              | 1:1                  |
|  | Torque max [Nm]:                             | 5/Sp.                |
|  | Rotation max [1/min]:                        | 6000                 |
|  | Rotating direction:                          | opposite             |
|  | Coolant:                                     | EXT                  |
|  | Please note:                                 | Check applicability! |
|  | Offset [mm]:                                 | 26,076               |
| <b>8 209 44 004</b>  | <b>Adapter for VDI 40</b>                    |                      |
|  | Weight [kg]:                                 | 6.720                |
|  | Notation:                                    | offset               |
|  | Version:                                     | right                |
|  | Shank size [mm]:                             | 40.00                |
|  | Shank type:                                  | VDI                  |
|  | Tool adaption:                               | DIN 69880 - 40       |
|  | Coolant:                                     | EXT                  |
|  | Center distance [mm]:                        | 100                  |
| <b>8 209 44 005</b>  | <b>Adapter for VDI 40</b>                    |                      |
|  | Weight [kg]:                                 | 6.740                |
|  | Notation:                                    | offset               |
|  | Version:                                     | left                 |
|  | Shank size [mm]:                             | 40.00                |
|  | Shank type:                                  | VDI                  |
|  | Tool adaption:                               | DIN 69880 - 40       |
|  | Coolant:                                     | EXT                  |
|  | Center distance [mm]:                        | 100                  |

| Part-#              | Name                                |                             |
|---------------------|-------------------------------------|-----------------------------|
| <b>8 214 43 000</b> | <b>Tool holder C1-40x25</b>         |                             |
|                     | Employment for:                     | VDI 40                      |
|                     | Version:                            | right                       |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Sq. 25/20                   |
|                     | Coolant:                            | EXT                         |
| <b>8 214 43 008</b> | <b>Tool holder C1-40x25 special</b> |                             |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Sq. 25/20                   |
|                     | Coolant:                            | EXT                         |
| <b>8 215 43 000</b> | <b>Tool holder C2-40x25</b>         |                             |
|                     | Employment for:                     | VDI 40                      |
|                     | Version:                            | left                        |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Sq. 25/20                   |
|                     | Coolant:                            | EXT                         |
| <b>8 215 43 003</b> | <b>Tool holder C2-40x25 special</b> |                             |
|                     | Weight [kg]:                        | 4.480                       |
|                     | Version:                            | left                        |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Sq. 25/20                   |
|                     | Coolant:                            | EXT                         |
| <b>8 230 46 004</b> | <b>Boring bar holder Ø 20</b>       |                             |
|                     | Version:                            | right                       |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Ø 20                        |
|                     | Coolant:                            | IC/Ext                      |
|                     | Please note:                        | demountable in left version |
|                     | Center distance [mm]:               | 120                         |
| <b>8 230 47 017</b> | <b>Boring bar holder Ø 25</b>       |                             |
|                     | Version:                            | right                       |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Ø 25                        |
|                     | Coolant:                            | IC/Ext                      |
|                     | Please note:                        | demountable in left version |
|                     | Center distance [mm]:               | 120                         |
| <b>8 230 48 013</b> | <b>Boring bar holder Ø 32</b>       |                             |
|                     | Weight [kg]:                        | 7.860                       |
|                     | Version:                            | right                       |
|                     | Shank size [mm]:                    | 40.00                       |
|                     | Shank type:                         | VDI                         |
|                     | Tool adaption:                      | Ø 32                        |
|                     | Coolant:                            | IC/Ext                      |
|                     | Please note:                        | demountable in left version |
|                     | Center distance [mm]:               | 120                         |

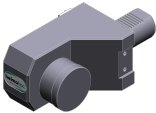
| Part-#              | Name                          |                              |
|---------------------|-------------------------------|------------------------------|
| <b>8 230 49 016</b> | <b>Boring bar holder Ø 40</b> |                              |
|                     | Weight [kg]:                  | 7.600                        |
|                     | Version:                      | right                        |
|                     | Shank size [mm]:              | 40.00                        |
|                     | Shank type:                   | VDI                          |
|                     | Tool adaption:                | Ø 40                         |
|                     | Coolant:                      | IC/Ext                       |
|                     | Please note:                  | demountable in left version  |
|                     | Center distance [mm]:         | 120                          |
| <b>8 230 49 026</b> | <b>Boring bar holder Ø 40</b> |                              |
|                     | Weight [kg]:                  | 7.300                        |
|                     | Version:                      | right                        |
|                     | Shank size [mm]:              | 40.00                        |
|                     | Shank type:                   | VDI                          |
|                     | Tool adaption:                | Ø 40                         |
|                     | Coolant:                      | IC/Ext                       |
|                     | Please note:                  | demountable in left version  |
|                     | Center distance [mm]:         | 120                          |
| <b>8 230 49 038</b> | <b>Boring bar holder Ø 40</b> |                              |
|                     | Version:                      | right                        |
|                     | Shank size [mm]:              | 40.00                        |
|                     | Shank type:                   | VDI                          |
|                     | Tool adaption:                | Ø 40                         |
|                     | Coolant:                      | IC/Ext                       |
|                     | Please note:                  | demountable in left version  |
|                     | Center distance [mm]:         | 120                          |
| <b>8 230 49 041</b> | <b>Boring bar holder Ø 40</b> |                              |
|                     | Weight [kg]:                  | 6.490                        |
|                     | Version:                      | right; special               |
|                     | Shank size [mm]:              | 40.00                        |
|                     | Shank type:                   | VDI                          |
|                     | Tool adaption:                | Ø 40                         |
|                     | Coolant:                      | IC/Ext                       |
|                     | Please note:                  | demountable in left version  |
|                     | Center distance [mm]:         | 120                          |
| <b>8 231 47 006</b> | <b>Boring bar holder Ø 25</b> |                              |
|                     | Version:                      | left                         |
|                     | Shank size [mm]:              | 40.00                        |
|                     | Shank type:                   | VDI                          |
|                     | Tool adaption:                | Ø 25                         |
|                     | Coolant:                      | IC/Ext                       |
|                     | Please note:                  | demountable in right version |
|                     | Center distance [mm]:         | 120                          |
| <b>8 231 48 000</b> | <b>Tool holder HT 6</b>       |                              |
|                     | Weight [kg]:                  | 6.080                        |
|                     | Notation:                     | offset                       |
|                     | Version:                      | left                         |
|                     | Shank size [mm]:              | 40.00                        |
|                     | Shank type:                   | VDI                          |
|                     | Tool adaption:                | HT 6                         |
|                     | Coolant:                      | IC/Ext                       |
|                     | Center distance [mm]:         | 100                          |

| Part-#                | Name                          |                              |
|-----------------------|-------------------------------|------------------------------|
| 8 231 48 003          | <b>Boring bar holder Ø 32</b> |                              |
|                       | Weight [kg]:                  | 6.770                        |
|                       | Version:                      | left                         |
|                       | Shank size [mm]:              | 40.00                        |
|                       | Shank type:                   | VDI                          |
|                       | Tool adaption:                | Ø 32                         |
|                       | Coolant:                      | IC/Ext                       |
|                       | Please note:                  | demountable in right version |
| Center distance [mm]: | 100                           |                              |
| 8 231 48 007          | <b>Boring bar holder Ø 32</b> |                              |
|                       | Version:                      | left                         |
|                       | Shank size [mm]:              | 40.00                        |
|                       | Shank type:                   | VDI                          |
|                       | Tool adaption:                | Ø 32                         |
|                       | Coolant:                      | IC/Ext                       |
|                       | Please note:                  | demountable in right version |
|                       | Center distance [mm]:         | 120                          |
| 8 231 48 008          | <b>Boring bar holder Ø 32</b> |                              |
|                       | Employment for:               | Heavy duty cutting           |
|                       | Version:                      | left                         |
|                       | Shank size [mm]:              | 40.00                        |
|                       | Shank type:                   | VDI                          |
|                       | Tool adaption:                | Ø 32                         |
|                       | Coolant:                      | IC/Ext                       |
|                       | Please note:                  | demountable in right version |
| Center distance [mm]: | 120                           |                              |
| 8 231 49 007          | <b>Boring bar holder Ø 40</b> |                              |
|                       | Weight [kg]:                  | 6.510                        |
|                       | Version:                      | left                         |
|                       | Shank size [mm]:              | 40.00                        |
|                       | Shank type:                   | VDI                          |
|                       | Tool adaption:                | Ø 40                         |
|                       | Coolant:                      | IC/Ext                       |
|                       | Please note:                  | demountable in right version |
| Center distance [mm]: | 100                           |                              |
| 8 231 49 020          | <b>Boring bar holder Ø 50</b> |                              |
|                       | Weight [kg]:                  | 11.700                       |
|                       | Version:                      | left                         |
|                       | Shank size [mm]:              | 40.00                        |
|                       | Shank type:                   | VDI                          |
|                       | Tool adaption:                | Ø 50                         |
|                       | Coolant:                      | IC/Ext                       |
|                       | Please note:                  | demountable in right version |
| Center distance [mm]: | 120                           |                              |
| 8 231 49 024          | <b>Boring bar holder Ø 40</b> |                              |
|                       | Version:                      | left                         |
|                       | Shank size [mm]:              | 40.00                        |
|                       | Shank type:                   | VDI                          |
|                       | Tool adaption:                | Ø 40                         |
|                       | Coolant:                      | IC/Ext                       |
|                       | Please note:                  | demountable in right version |
|                       | Center distance [mm]:         | 120                          |

| Part-#              | Name                                   |  |
|---------------------|--|--|
| <b>8 231 49 029</b> | <b>Boring bar holder Ø 50</b>          |  |
|                     | Version:                               | left   |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Ø 50   |
|                     | Coolant:                               | IC/Ext   |
|                     | Please note:                           | demountable in right version; with 4 Schrauben for |
|                     | Center distance [mm]:                  | 120  |
| <b>8 234 43 000</b> | <b>Tool holder B1-40x25x44</b>         |  |
|                     | Employment for:                        | VDI 40   |
|                     | Version:                               | right  |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Sq. 25/20  |
|                     | Coolant:                               | EXT  |
| <b>8 234 45 003</b> | <b>Combi facing holder sq. 25/20</b>   |  |
|                     | Weight [kg]:                           | 6.160  |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Sq. 25/20  |
|                     | Coolant:                               | EXT  |
| <b>8 234 45 004</b> | <b>Combi facing holder sq. 25/20</b>   |  |
|                     | Weight [kg]:                           | 9.780  |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Sq. 25/20  |
|                     | Coolant:                               | EXT  |
| <b>8 235 43 000</b> | <b>Tool holder B2-40x25x44</b>         |  |
|                     | Employment for:                        | VDI 40   |
|                     | Version:                               | left   |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Sq. 25/20  |
|                     | Coolant:                               | EXT  |
| <b>8 235 43 009</b> | <b>Tool holder B6-40x25x44 special</b> |  |
|                     | Weight [kg]:                           | 2.960  |
|                     | Employment for:                        | VDI 40   |
|                     | Version:                               | Special; left                                      |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Sq. 25/20  |
|                     | Coolant:                               | EXT  |
|                     | Please note:                           | Insert for system "Jetstream" from Seco            |
| <b>8 235 43 010</b> | <b>Tool holder B2-40x25x44 special</b> |  |
|                     | Weight [kg]:                           | 2.260  |
|                     | Employment for:                        | VDI 40   |
|                     | Version:                               | Special; left                                      |
|                     | Shank size [mm]:                       | 40.00  |
|                     | Shank type:                            | VDI  |
|                     | Tool adaption:                         | Sq. 25/20  |
|                     | Coolant:                               | EXT  |

| Part-#              | Name                                    |   |
|---------------------|---|---|
|                     | Please note:                            | Insert for system "Jetstream" from Seco |
| <b>8 239 45 005</b> | <b>Double collet chuck holder ER 25</b> |   |
|                     | Weight [kg]:                            | 6.140                                   |
|                     | Employment for:                         | Main- and sub spindle                   |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | ER 25                                   |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 100                                     |
| <b>8 239 46 006</b> | <b>Double collet chuck holder ER 32</b> |   |
|                     | Weight [kg]:                            | 6.390                                   |
|                     | Employment for:                         | Main- and sub spindle                   |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | ER 32                                   |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 100                                     |
| <b>8 239 46 018</b> | <b>Double boring bar holder Ø 20</b>    |   |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | Ø 20                                    |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 120                                     |
| <b>8 239 46 019</b> | <b>Double boring bar holder Ø 20</b>    |   |
|                     | Employment for:                         | Heavy duty cutting                      |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | Ø 20                                    |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 120                                     |
| <b>8 239 47 009</b> | <b>Double boring bar holder Ø 25</b>    |   |
|                     | Weight [kg]:                            | 9.290                                   |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | Ø 25                                    |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 120                                     |
| <b>8 239 47 010</b> | <b>Double boring bar holder Ø 25</b>    |   |
|                     | Employment for:                         | Heavy duty cutting                      |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | Ø 25                                    |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 120                                     |
| <b>8 239 48 000</b> | <b>Double boring bar holder Ø 32</b>    |   |
|                     | Shank size [mm]:                        | 40.00                                   |
|                     | Shank type:                             | VDI                                     |
|                     | Tool adaption:                          | Ø 32                                    |
|                     | Coolant:                                | IC/Ext                                  |
|                     | Center distance [mm]:                   | 100                                     |

| Part-#              | Name   |                       |
|---------------------|--|-----------------------|
| <b>8 239 48 001</b> | <b>Double boring bar holder Ø 32</b>         |                       |
|                     | Weight [kg]:                                 | 9.070                 |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Ø 32                  |
|                     | Coolant:                                     | IC/Ext                |
|                     | Center distance [mm]:                        | 120                   |
| <b>8 239 48 009</b> | <b>Double boring bar holder Ø 32</b>         |                       |
|                     | Employment for:                              | Heavy duty cutting    |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Ø 32                  |
|                     | Coolant:                                     | IC/Ext                |
|                     | Center distance [mm]:                        | 100                   |
| <b>8 239 49 006</b> | <b>Double boring bar holder Ø 40</b>         |                       |
|                     | Weight [kg]:                                 | 8.660                 |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Ø 40                  |
|                     | Coolant:                                     | IC/Ext                |
|                     | Center distance [mm]:                        | 120                   |
| <b>8 239 49 007</b> | <b>Double boring bar holder Ø 40</b>         |                       |
|                     | Weight [kg]:                                 | 7.340                 |
|                     | Employment for:                              | Heavy duty cutting    |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Ø 40                  |
|                     | Coolant:                                     | IC/Ext                |
|                     | Center distance [mm]:                        | 100                   |
| <b>8 239 49 008</b> | <b>Double boring bar holder Ø 40</b>         |                       |
|                     | Employment for:                              | Heavy duty cutting    |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Ø 40                  |
|                     | Coolant:                                     | IC/Ext                |
|                     | Center distance [mm]:                        | 120                   |
| <b>8 251 45 003</b> | <b>Combi double turning holder sq. 25/20</b> |                       |
|                     | Weight [kg]:                                 | 5.420                 |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Sq. 25/20             |
|                     | Coolant:                                     | EXT                   |
| <b>8 259 45 003</b> | <b>Multiple turning holder 4x sq. 1"</b>     |                       |
|                     | Employment for:                              | Main- and sub spindle |
|                     | Version:                                     | Y-axes offset         |
|                     | Shank size [mm]:                             | 40.00                 |
|                     | Shank type:                                  | VDI                   |
|                     | Tool adaption:                               | Sq. 1" (25,4mm)       |
|                     |  | Sq. 1" (25,4mm)       |
|                     |  | Sq. 1" (25,4mm)       |
|                     |  | Sq. 1" (25,4mm)       |

| Part-#  | Name                                      |                       |
|---|---|-----------------------|
|   | Coolant:                                  | EXT                   |
| <b>8 259 45 004</b>   | <b>Multiple turning holder 4x sq. 25</b>  |                       |
|   | Weight [kg]:                              | 6.460                 |
|   | Employment for:                           | Main- and sub spindle |
|   | Version:                                  | Y-axes offset         |
|   | Shank size [mm]:                          | 40.00                 |
|   | Shank type:                               | VDI                   |
|   | Tool adaption:                            | Sq. 25                |
|   |   | Sq. 25                |
|   |   | Sq. 25                |
|   |   | Sq. 25                |
|   | Coolant:                                  | EXT                   |
| <b>8 259 45 008</b>   | <b>Multiple turning holder 2x sq. 25</b>  |                       |
|   | Weight [kg]:                              | 7.590                 |
|   | Employment for:                           | Main spindle          |
|   | Version:                                  | Y-axes offset, left   |
|   | Shank size [mm]:                          | 40.00                 |
|   | Shank type:                               | VDI                   |
|   | Tool adaption:                            | Sq. 25                |
|   |   | Sq. 25                |
|   | Coolant:                                  | EXT                   |
| <b>8 262 49 003</b>   | <b>Stock stop VDI 40 - Ø 60 OD turret</b> |                       |
|   | Weight [kg]:                              | 6.300                 |
|   | Notation:                                 | rotating              |
|   | Version:                                  | left                  |
|   | Shank size [mm]:                          | 40.00                 |
|   | Shank type:                               | VDI                   |
|   | Coolant:                                  | no                    |
|   | Please note:                              | Length adjustable     |
|   | Center distance [mm]:                     | 100                   |
| <b>8 262 49 004</b>   | <b>Stock stop VDI 40 - Ø 60 OD turret</b> |                       |
|  | Notation:                                 | offset                |
|   | Version:                                  | right                 |
|   | Shank size [mm]:                          | 40.00                 |
|   | Shank type:                               | VDI                   |
|   | Rotation max [1/min]:                     | 8000                  |
|   | Coolant:                                  | no                    |
|   | Center distance [mm]:                     | 100                   |
| <b>8 262 49 005</b>   | <b>Stock stop VDI 40 - Ø 60 OD turret</b> |                       |
|   | Weight [kg]:                              | 6.320                 |
|   | Notation:                                 | offset                |
|   | Version:                                  | left                  |
|   | Shank size [mm]:                          | 40.00                 |
|   | Shank type:                               | VDI                   |
|   | Rotation max [1/min]:                     | 8000                  |
|   | Coolant:                                  | without               |
|   | Center distance [mm]:                     | 120                   |

| Part-#              | Name  |                     |
|---------------------|---|---------------------|
| <b>8 262 49 006</b> | <b>Stock stop VDI 40 - Ø 60 OD turret</b>         |                     |
|                     | Weight [kg]:                                      | 6.320               |
|                     | Notation:   | offset              |
|                     | Version:  | right               |
|                     | Shank size [mm]:                                  | 40.00               |
|                     | Shank type:                                       | VDI                 |
|                     | Rotation max [1/min]:                             | 8000                |
|                     | Coolant:  | without             |
|                     | Center distance [mm]:                             | 120                 |
| <b>8 274 43 000</b> | <b>Square multiple holder D1-40x25</b>            |                     |
|                     | Weight [kg]:                                      | 3.660               |
|                     | Shank size [mm]:                                  | 40.00               |
|                     | Shank type:                                       | VDI                 |
|                     | Tool adaption:                                    | Sq. 25/20           |
|                     | Coolant:  | EXT                 |
| <b>8 320 43 010</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |                     |
|                     | Weight [kg]:                                      | 2.440               |
|                     | Version:  | universal           |
|                     | Shank size [mm]:                                  | 40.00               |
|                     | Shank type:                                       | VDI                 |
|                     | Tool adaption:                                    | Clampshaft SH 32    |
|                     | Coolant:  | IC/Ext              |
|                     | Pressure max [bar]:                               | 70                  |
| <b>8 320 43 014</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 |



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