

DMG MORI  
**ecoTurn 450**



# 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                |

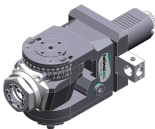
| Part-#              | Name                                                  |
|---------------------|-------------------------------------------------------|
| <b>8 010 46 165</b> | <b>Axial drilling and milling head ER 32 AX UT IC</b> |
|                     | Weight [kg]: 3.440                                    |
|                     | 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 46 304</b> | <b>Axial drilling and milling head C 4</b>            |
|                     | Weight [kg]: 4.330                                    |
|                     | Version: right                                        |
|                     | Tool drive: DIN 5480                                  |
|                     | Shank size [mm]: 40.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: heimatec Capto(TM) C 4                 |
|                     | Gear ratio [i]: 1:1                                   |
|                     | Torque max [Nm]: 50                                   |
|                     | Rotation max [1/min]: 6000                            |
|                     | Rotating direction: same                              |
|                     | Coolant: EXT                                          |
|                     | Please note: stronger bearing                         |
| <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                       |

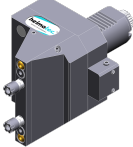
| Part-#              | Name                                               |
|---------------------|----------------------------------------------------|
| <b>8 010 47 086</b> | <b>Axial drilling and milling head HT 5</b>        |
|                     | Weight [kg]: 3.330                                 |
|                     | 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: same                           |
|                     | Coolant: EXT                                       |
|                     | Please note: Combi bearing                         |
| <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                    |
| <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                          |

| Part-#              | Name                                                |
|---------------------|-----------------------------------------------------|
| <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                           |
| <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>8 033 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                          |
|                     | Rotating direction: same                            |
|                     | Coolant: EXT                                        |
|                     | Center distance [mm]: 100                           |

| Part-#              | Name                                                   |
|---------------------|--------------------------------------------------------|
| <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 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                                        |
|                     | 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>8 036 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                           |

| Part-#              | Name                                                                                                                                                                                                                                                                                                                                       |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Coolant: IC/Ext<br>Pressure max [bar]: 140<br>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<br>Version: doubletoothed<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 32 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 50<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Center distance [mm]: 100 |
| <b>8 040 44 066</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b>                                                                                                                                                                                                                                                                                         |
|                     | Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 16 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>Center distance [mm]: 87                                                              |
| <b>8 040 44 067</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b>                                                                                                                                                                                                                                                                                         |
|                     | Weight [kg]: 4.890<br>Version: left<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 16 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>Center distance [mm]: 87                                         |
| <b>8 040 44 070</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b>                                                                                                                                                                                                                                                                                      |
|                     | Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 40.00<br>Shank type: VDI<br>Tool adaption: ER 16 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                                                            |

| Part-#                                                                             | Name                                                  |                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|
|                                                                                    | 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                                 |
| <b>8 040 45 073</b>                                                                | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b> |                                     |
|  | Version:                                              | left                                |
|                                                                                    | 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:                                              | IC/Ext                              |
|                                                                                    | Pressure max [bar]:                                   | 140                                 |
|                                                                                    | Please note:                                          | stronger bearing                    |
|                                                                                    | 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                               |
|                                                                                    | Version:                                              | left; at 65° position can be pinned |
|                                                                                    | 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:                                              | IC/Ext                              |
|                                                                                    | 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                                  |

| Part-#                                                                            | Name                                   |                      |
|-----------------------------------------------------------------------------------|----------------------------------------|----------------------|
|                                                                                   | 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>8 200 40 000</b>                                                               | <b>Plug Z2-40 K</b>                    |                      |
|                                                                                   | Weight [kg]:                           | 0.140                |
|                                                                                   | Shank size [mm]:                       | 40.00                |
|                                                                                   | Shank type:                            | VDI                  |
| <b>8 200 40 001</b>                                                               | <b>Plug Z2-40 S</b>                    |                      |
|                                                                                   | Weight [kg]:                           | 1.360                |
|                                                                                   | Shank size [mm]:                       | 40.00                |
|                                                                                   | Shank type:                            | VDI                  |
| <b>8 200 41 002</b>                                                               | <b>Tool holder A2-40x120</b>           |                      |
|                                                                                   | Weight [kg]:                           | 5.800                |
|                                                                                   | Shank size [mm]:                       | 40.00                |
|                                                                                   | Shank type:                            | VDI                  |
| <b>8 200 41 003</b>                                                               | <b>Tool holder A2-40x200</b>           |                      |
|                                                                                   | Weight [kg]:                           | 9.120                |
|                                                                                   | Shank size [mm]:                       | 40.00                |
|                                                                                   | Shank type:                            | VDI                  |
| <b>8 200 41 004</b>                                                               | <b>Tool holder A2-40x320</b>           |                      |
|                                                                                   | Weight [kg]:                           | 14.360               |
|                                                                                   | Shank size [mm]:                       | 40.00                |
|                                                                                   | Shank type:                            | VDI                  |
| <b>8 200 44 000</b>                                                               | <b>Tool holder A1-40x100</b>           |                      |
|                                                                                   | Weight [kg]:                           | 11.940               |
|                                                                                   | Shank size [mm]:                       | 40.00                |
|                                                                                   | Shank type:                            | VDI                  |

| Part-#              | Name                                      |                  |
|---------------------|-------------------------------------------|------------------|
| <b>8 202 43 000</b> | <b>Basic holder transversal set SZ 40</b> |                  |
|                     | Weight [kg]:                              | 1.560            |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
|                     | Tool adaption:                            | Interface SZ 40  |
|                     | Coolant:                                  | EXT              |
| <b>8 206 42 000</b> | <b>Adapter for VDI 30</b>                 |                  |
|                     | Weight [kg]:                              | 3.530            |
|                     | Version:                                  | doubletoothed    |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
|                     | Tool adaption:                            | DIN 69880 - 30   |
|                     | Coolant:                                  | EXT              |
|                     | Please note:                              | Special          |
| <b>8 208 49 001</b> | <b>Test mandrel VDI 40x40x200</b>         |                  |
|                     | Weight [kg]:                              | 3.020            |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
| <b>8 208 49 003</b> | <b>Test mandrel VDI 40x40x300</b>         |                  |
|                     | Weight [kg]:                              | 4.020            |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
| <b>8 210 41 000</b> | <b>Tool holder F 40-MK 1</b>              |                  |
|                     | Weight [kg]:                              | 1.600            |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
|                     | Tool adaption:                            | DIN 228 D - MK 1 |
|                     | Coolant:                                  | IC               |
| <b>8 210 42 001</b> | <b>Tool holder F 40-MK 2</b>              |                  |
|                     | Weight [kg]:                              | 1.620            |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
|                     | Tool adaption:                            | DIN 228 D - MK 2 |
|                     | Coolant:                                  | IC               |
| <b>8 210 43 000</b> | <b>Tool holder E2-40x 8</b>               |                  |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
|                     | Tool adaption:                            | Ø 8              |
|                     | Coolant:                                  | IC/Ext           |
| <b>8 210 43 002</b> | <b>Tool holder F 40-MK 3</b>              |                  |
|                     | Weight [kg]:                              | 1.520            |
|                     | Shank size [mm]:                          | 40.00            |
|                     | Shank type:                               | VDI              |
|                     | Tool adaption:                            | DIN 228 D - MK 3 |
|                     | Coolant:                                  | IC               |

| Part-#              | Name                                    |                  |
|---------------------|-----------------------------------------|------------------|
| <b>8 210 43 003</b> | <b>Short drill chuck VDI 40x 8</b>      |                  |
|                     | Weight [kg]:                            | 1.700            |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Coolant:                                | EXT              |
| <b>8 210 43 004</b> | <b>Short drill chuck VDI 40x 8 - IC</b> |                  |
|                     | Weight [kg]:                            | 1.730            |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Coolant:                                | IC               |
| <b>8 210 44 001</b> | <b>Tool holder E2-40x10</b>             |                  |
|                     | Weight [kg]:                            | 2.320            |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Tool adaption:                          | Ø 10             |
|                     | Coolant:                                | IC/Ext           |
| <b>8 210 44 007</b> | <b>Tool holder F 40-MK 4</b>            |                  |
|                     | Weight [kg]:                            | 2.460            |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Tool adaption:                          | DIN 228 D - MK 4 |
|                     | Coolant:                                | IC               |
| <b>8 210 44 008</b> | <b>Short drill chuck VDI 40x13</b>      |                  |
|                     | Weight [kg]:                            | 2.280            |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Coolant:                                | EXT              |
| <b>8 210 44 009</b> | <b>Tool holder E2-40x14</b>             |                  |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Tool adaption:                          | Ø 14             |
|                     | Coolant:                                | IC/Ext           |
| <b>8 210 44 010</b> | <b>Tool holder E1-40x10</b>             |                  |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Tool adaption:                          | Ø 10             |
|                     | Coolant:                                | IC               |
| <b>8 210 44 011</b> | <b>Tool holder E1-40x12</b>             |                  |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Tool adaption:                          | Ø 12             |
|                     | Coolant:                                | IC               |
| <b>8 210 44 014</b> | <b>Short drill chuck VDI 40x13 - IC</b> |                  |
|                     | Weight [kg]:                            | 2.290            |
|                     | Shank size [mm]:                        | 40.00            |
|                     | Shank type:                             | VDI              |
|                     | Coolant:                                | IC               |

| Part-#                                                                              | Name                                    |                                    |
|-------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------|
| <b>8 210 44 017</b>                                                                 | <b>Tool holder E1-40x14</b>             |                                    |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | Ø 14                               |
|                                                                                     | Coolant:                                | IC                                 |
| <b>8 210 44 018</b>                                                                 | <b>Tool holder E1-40x12,5 - special</b> |                                    |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | Ø 12,5                             |
|                                                                                     | Coolant:                                | IC                                 |
|                                                                                     | Please note:                            | Special version                    |
| <b>8 210 44 019</b>                                                                 | <b>Tool holder E2-40x10 - special</b>   |                                    |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | Ø 10                               |
|                                                                                     | Coolant:                                | IC/Ext                             |
|                                                                                     | Please note:                            | Shaft with hole, locked with screw |
| <b>8 210 44 020</b>                                                                 | <b>Tool holder E2-40x12 - special</b>   |                                    |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | Ø 12                               |
|                                                                                     | Coolant:                                | IC/Ext                             |
|                                                                                     | Please note:                            | Shaft with hole, locked with screw |
| <b>8 210 45 000</b>                                                                 | <b>Tool holder E2-40x16</b>             |                                    |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | Ø 16                               |
|                                                                                     | Coolant:                                | IC/Ext                             |
| <b>8 210 45 002</b>                                                                 | <b>Tool holder E4-40xER 25</b>          |                                    |
|  | Weight [kg]:                            | 1.570                              |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | ER 25                              |
|                                                                                     | Coolant:                                | IC                                 |
| <b>8 210 45 003</b>                                                                 | <b>Tool holder E1-40x16</b>             |                                    |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Tool adaption:                          | Ø 16                               |
|                                                                                     | Coolant:                                | IC                                 |
| <b>8 210 45 006</b>                                                                 | <b>Short drill chuck VDI 40x16</b>      |                                    |
|                                                                                     | Weight [kg]:                            | 2.460                              |
|                                                                                     | Shank size [mm]:                        | 40.00                              |
|                                                                                     | Shank type:                             | VDI                                |
|                                                                                     | Coolant:                                | EXT                                |

| Part-#                                                                              | Name                                    |                                  |
|-------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------|
| <b>8 210 45 007</b>                                                                 | <b>Tool holder E3-40x C 16</b>          |                                  |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | DIN 6388 - C 16                  |
|                                                                                     | Coolant:                                | IC                               |
| <b>8 210 45 009</b>                                                                 | <b>Short drill chuck VDI 40x16 - IC</b> |                                  |
|                                                                                     | Weight [kg]:                            | 2.320                            |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Coolant:                                | IC                               |
| <b>8 210 45 012</b>                                                                 | <b>Tool holder E2-40x16 - special</b>   |                                  |
|                                                                                     | Version:                                | with 180° rotated fixed clamping |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | Ø 16                             |
|                                                                                     | Coolant:                                | IC/Ext                           |
|                                                                                     | Please note:                            | Special version                  |
| <b>8 210 45 013</b>                                                                 | <b>Tool holder E2-40x18</b>             |                                  |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | Ø 18                             |
|                                                                                     | Coolant:                                | IC/Ext                           |
| <b>8 210 45 014</b>                                                                 | <b>Tool holder E1-40x18</b>             |                                  |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | Ø 18                             |
|                                                                                     | Coolant:                                | IC                               |
| <b>8 210 45 020</b>                                                                 | <b>Tool holder ER 25 AX UT IC</b>       |                                  |
|                                                                                     | Weight [kg]:                            | 1.860                            |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | ER 25 A - u-tec                  |
|                                                                                     | Coolant:                                | IC/Ext                           |
| <b>8 210 46 000</b>                                                                 | <b>Tool holder E4-40xER 32</b>          |                                  |
|  | Weight [kg]:                            | 1.640                            |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | ER 32                            |
|                                                                                     | Coolant:                                | IC                               |
| <b>8 210 46 002</b>                                                                 | <b>Tool holder E2-40x20</b>             |                                  |
|                                                                                     | Shank size [mm]:                        | 40.00                            |
|                                                                                     | Shank type:                             | VDI                              |
|                                                                                     | Tool adaption:                          | Ø 20                             |
|                                                                                     | Coolant:                                | IC/Ext                           |

| Part-#              | Name                                  |                                    |
|---------------------|---------------------------------------|------------------------------------|
| <b>8 210 46 004</b> | <b>Tool holder E1-40x20</b>           |                                    |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | Ø 20                               |
|                     | Coolant:                              | IC                                 |
| <b>8 210 46 008</b> | <b>Tool holder HT 4 IC</b>            |                                    |
|                     | Version:                              | right / left                       |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | HT 4                               |
|                     | Coolant:                              | IC/Ext                             |
|                     | Please note:                          | HT- insert 3x 90° demountable      |
| <b>8 210 46 009</b> | <b>Tool holder E2-40x20 - special</b> |                                    |
|                     | Version:                              | with 180° rotated fixed clamping   |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | Ø 20                               |
|                     | Coolant:                              | IC/Ext                             |
|                     | Please note:                          | Special version                    |
| <b>8 210 46 010</b> | <b>Tool holder E2-40x20 - special</b> |                                    |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | Ø 20                               |
|                     | Coolant:                              | IC/Ext                             |
|                     | Please note:                          | Shaft with hole, locked with screw |
| <b>8 210 47 001</b> | <b>Tool holder E2-40x25</b>           |                                    |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | Ø 25                               |
|                     | Coolant:                              | IC/Ext                             |
| <b>8 210 47 003</b> | <b>Tool holder E3-40x C 25</b>        |                                    |
|                     | Weight [kg]:                          | 1.980                              |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | DIN 6388 - C 25                    |
|                     | Coolant:                              | IC                                 |
| <b>8 210 47 004</b> | <b>Tool holder E4-40xER 40</b>        |                                    |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | ER 40                              |
|                     | Coolant:                              | IC                                 |
| <b>8 210 47 005</b> | <b>Tool holder E1-40x25</b>           |                                    |
|                     | Weight [kg]:                          | 1.840                              |
|                     | Shank size [mm]:                      | 40.00                              |
|                     | Shank type:                           | VDI                                |
|                     | Tool adaption:                        | Ø 25                               |
|                     | Coolant:                              | IC                                 |

| Part-#              | Name                                  |                                  |
|---------------------|---------------------------------------|----------------------------------|
| <b>8 210 47 009</b> | <b>Tool holder E2-40x25 - special</b> |                                  |
|                     | Version:                              | with 180° rotated fixed clamping |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | Ø 25                             |
|                     | Coolant:                              | IC/Ext                           |
|                     | Please note:                          | Special version                  |
| <b>8 210 47 010</b> | <b>Tool holder HT 5 IC</b>            |                                  |
|                     | Version:                              | right / left                     |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | HT 5                             |
|                     | Coolant:                              | IC/Ext                           |
|                     | Please note:                          | HT- insert 3x 90° demountable    |
| <b>8 210 47 012</b> | <b>Tool holder HT 5 IC</b>            |                                  |
|                     | Weight [kg]:                          | 1.880                            |
|                     | Version:                              | left                             |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | HT 5                             |
|                     | Coolant:                              | IC/Ext                           |
| <b>8 210 48 001</b> | <b>Tool holder E2-40x32</b>           |                                  |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | Ø 32                             |
|                     | Coolant:                              | IC/Ext                           |
| <b>8 210 48 003</b> | <b>Tool holder E3-40x C 32</b>        |                                  |
|                     | Weight [kg]:                          | 2.480                            |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | DIN 6388 - C 32                  |
|                     | Coolant:                              | IC                               |
| <b>8 210 48 004</b> | <b>Tool holder E1-40x32</b>           |                                  |
|                     | Weight [kg]:                          | 1.830                            |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | Ø 32                             |
|                     | Coolant:                              | IC                               |
| <b>8 210 48 008</b> | <b>Tool holder E2-40x32 - special</b> |                                  |
|                     | Version:                              | with 180° rotated fixed clamping |
|                     | Shank size [mm]:                      | 40.00                            |
|                     | Shank type:                           | VDI                              |
|                     | Tool adaption:                        | Ø 32                             |
|                     | Coolant:                              | IC/Ext                           |
|                     | Please note:                          | Special version                  |

| Part-#                                                                              | Name                                  |                                  |
|-------------------------------------------------------------------------------------|---------------------------------------|----------------------------------|
| <b>8 210 48 009</b>                                                                 | <b>Tool holder E2-40x32 - special</b> |                                  |
|                                                                                     | Version:                              | Special                          |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 32                             |
|                                                                                     | Coolant:                              | IC/Ext                           |
| <b>8 210 48 012</b>                                                                 | <b>Tool holder E2-40x32 special</b>   |                                  |
|                                                                                     | Version:                              | Special                          |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 32                             |
|                                                                                     | Coolant:                              | IC/Ext                           |
|                                                                                     | Please note:                          | with end stop                    |
| <b>8 210 49 000</b>                                                                 | <b>Tool holder E2-40x40</b>           |                                  |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 40                             |
|                                                                                     | Coolant:                              | IC/Ext                           |
| <b>8 210 49 002</b>                                                                 | <b>Tool holder E1-40x40</b>           |                                  |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 40                             |
|                                                                                     | Coolant:                              | IC                               |
| <b>8 210 49 003</b>                                                                 | <b>Tool holder E1-40x50</b>           |                                  |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 50                             |
|                                                                                     | Coolant:                              | IC                               |
| <b>8 210 49 005</b>                                                                 | <b>Tool holder E2-40x50</b>           |                                  |
|  | Weight [kg]:                          | 3.000                            |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 50                             |
|                                                                                     | Coolant:                              | IC/Ext                           |
| <b>8 210 49 008</b>                                                                 | <b>Tool holder E2-40x40 - special</b> |                                  |
|                                                                                     | Version:                              | with 180° rotated fixed clamping |
|                                                                                     | Shank size [mm]:                      | 40.00                            |
|                                                                                     | Shank type:                           | VDI                              |
|                                                                                     | Tool adaption:                        | Ø 40                             |
|                                                                                     | Coolant:                              | IC/Ext                           |
|                                                                                     | Please note:                          | Special version                  |
| <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                              |

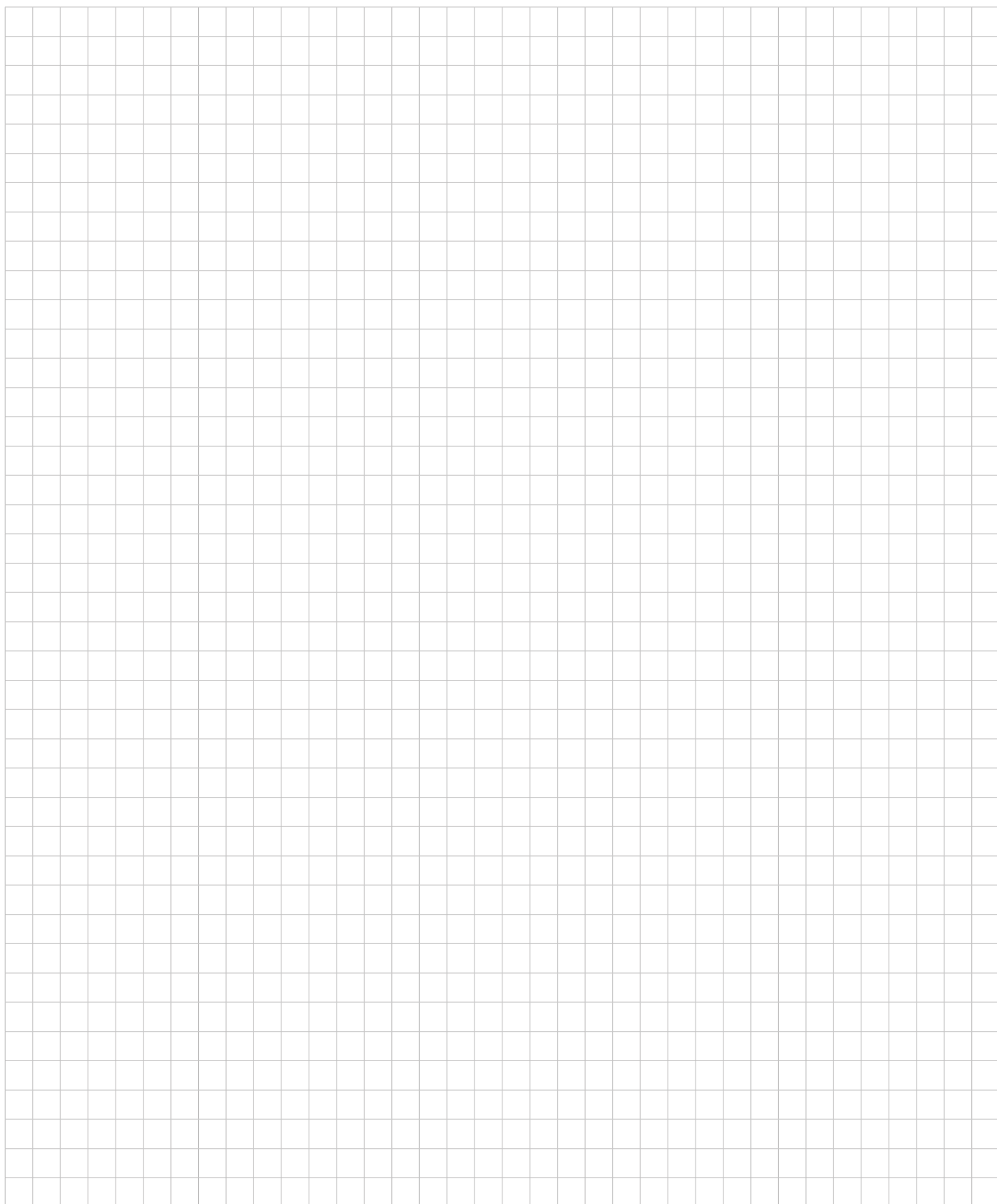
| Part-#                                                                              | Name                                |              |
|-------------------------------------------------------------------------------------|-------------------------------------|--------------|
| <b>8 214 43 001</b>                                                                 | <b>Tool holder C3-40x25</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>8 219 47 004</b>                                                                 | <b>Boring bar holder ø 25</b>       |              |
|    | Weight [kg]:                        | 2.820        |
|                                                                                     | Version:                            | left; offset |
|                                                                                     | Shank size [mm]:                    | 40.00        |
|                                                                                     | Shank type:                         | VDI          |
|                                                                                     | Tool adaption:                      | Ø 25         |
|                                                                                     | Coolant:                            | IC/Ext       |
|                                                                                     | Offset [mm]:                        | 25           |
| <b>8 219 48 006</b>                                                                 | <b>Boring bar holder ø 32</b>       |              |
|  | Version:                            | left, offset |
|                                                                                     | Shank size [mm]:                    | 40.00        |
|                                                                                     | Shank type:                         | VDI          |
|                                                                                     | Tool adaption:                      | Ø 32         |
|                                                                                     | Coolant:                            | IC/Ext       |
|                                                                                     | Offset [mm]:                        | 30           |
| <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 43 001</b>                                                                 | <b>Tool holder B3-40x25x44</b>      |              |
|                                                                                     | Employment for:                     | VDI 40       |
|                                                                                     | Shank size [mm]:                    | 40.00        |
|                                                                                     | Shank type:                         | VDI          |
|                                                                                     | Tool adaption:                      | Sq. 25/20    |
|                                                                                     | Coolant:                            | EXT          |
| <b>8 234 43 002</b>                                                                 | <b>Tool holder B5-40x25x44</b>      |              |
|                                                                                     | Weight [kg]:                        | 3.120        |
|                                                                                     | Shank size [mm]:                    | 40.00        |
|                                                                                     | Shank type:                         | VDI          |
|                                                                                     | Tool adaption:                      | Sq. 25/20    |
|                                                                                     | Coolant:                            | EXT          |

| Part-#                                                                              | Name                                   |                         |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------|
| <b>8 234 43 003</b>                                                                 | <b>Tool holder B7-40x25x44</b>         |                         |
|                                                                                     | Weight [kg]:                           | 3.320                   |
|                                                                                     | Shank size [mm]:                       | 40.00                   |
|                                                                                     | Shank type:                            | VDI                     |
|                                                                                     | Tool adaption:                         | Sq. 25/20               |
|                                                                                     | Coolant:                               | EXT                     |
| <b>8 234 43 005</b>                                                                 | <b>Tool holder B5-40x25x44 special</b> |                         |
|                                                                                     | Shank size [mm]:                       | 40.00                   |
|                                                                                     | Shank type:                            | VDI                     |
|                                                                                     | Tool adaption:                         | Sq. 25/20               |
|                                                                                     | Coolant:                               | EXT                     |
| <b>8 240 27 011</b>                                                                 | <b>Boring bar holder Ø 25</b>          |                         |
|    | Weight [kg]:                           | 2.300                   |
|                                                                                     | Shank type:                            | BMT                     |
|                                                                                     | Machine adaption:                      | Centering key slot b 25 |
|                                                                                     | Tool adaption:                         | Ø 25                    |
|                                                                                     | Coolant:                               | IC/Ext                  |
|                                                                                     | Pressure max [bar]:                    | 100                     |
|                                                                                     | Center distance [mm]:                  | 30                      |
| <b>8 240 28 065</b>                                                                 | <b>Boring bar holder Ø 32</b>          |                         |
|                                                                                     | Weight [kg]:                           | 2.420                   |
|                                                                                     | Shank type:                            | BMT                     |
|                                                                                     | Machine adaption:                      | Centering key slot b 25 |
|                                                                                     | Tool adaption:                         | Ø 32                    |
|                                                                                     | Coolant:                               | IC/Ext                  |
|                                                                                     | Center distance [mm]:                  | 30                      |
| <b>8 240 29 048</b>                                                                 | <b>Boring bar holder Ø 40</b>          |                         |
|  | Weight [kg]:                           | 1.960                   |
|                                                                                     | Shank type:                            | BMT                     |
|                                                                                     | Machine adaption:                      | Centering key slot b 25 |
|                                                                                     | Tool adaption:                         | Ø 40                    |
|                                                                                     | Coolant:                               | IC/Ext                  |
|                                                                                     | Pressure max [bar]:                    | 100                     |
|                                                                                     | Center distance [mm]:                  | 30                      |
| <b>8 240 29 064</b>                                                                 | <b>Boring bar holder Ø 50</b>          |                         |
|                                                                                     | Shank type:                            | BMT                     |
|                                                                                     | Machine adaption:                      | Centering key slot b 25 |
|                                                                                     | Tool adaption:                         | Ø 50                    |
|                                                                                     | Coolant:                               | IC/Ext                  |
|                                                                                     | Center distance [mm]:                  | 38                      |
| <b>8 244 25 006</b>                                                                 | <b>Combi facing holder sq. 25 IC</b>   |                         |
|  | Weight [kg]:                           | 2.060                   |
|                                                                                     | Shank type:                            | BMT                     |
|                                                                                     | Machine adaption:                      | Centering key slot b 25 |
|                                                                                     | Tool adaption:                         | Sq. 25                  |
|                                                                                     | Coolant:                               | IC/Ext                  |
|                                                                                     | Pressure max [bar]:                    | 100                     |
|                                                                                     | Please note:                           | Key rail                |

| Part-#              | Name                                              |                                         |
|---------------------|---------------------------------------------------|-----------------------------------------|
| <b>8 262 49 000</b> | <b>Stock stop VDI 40 - Ø 42</b>                   |                                         |
|                     | Weight [kg]:                                      | 1.360                                   |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
| <b>8 262 49 001</b> | <b>Stock stop VDI 40 - Ø 60</b>                   |                                         |
|                     | Weight [kg]:                                      | 1.620                                   |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
| <b>8 262 49 002</b> | <b>Stock stop VDI 40 - Ø 54</b>                   |                                         |
|                     | Weight [kg]:                                      | 1.530                                   |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
| <b>8 267 49 001</b> | <b>Bar pick-up VDI 40 offset</b>                  |                                         |
|                     | Weight [kg]:                                      | 2.100                                   |
|                     | Version:                                          | right                                   |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
|                     | Please note:                                      | Chuck jaws 62-85 mm special accessories |
| <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>8 274 43 001</b> | <b>Tool holder D2-40x25</b>                       |                                         |
|                     | Weight [kg]:                                      | 4.300                                   |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
|                     | Tool adaption:                                    | Sq. 25/20                               |
|                     | Coolant:                                          | EXT                                     |
| <b>8 320 42 018</b> | <b>Cut-off holder, height adjustable SH 26 IC</b> |                                         |
|                     | Version:                                          | universal                               |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
|                     | Tool adaption:                                    | Clampshaft SH 26                        |
|                     | Coolant:                                          | IC/Ext                                  |
|                     | Pressure max [bar]:                               | 70                                      |
| <b>8 320 43 009</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |                                         |
|                     | Weight [kg]:                                      | 2.480                                   |
|                     | Version:                                          | universal                               |
|                     | Shank size [mm]:                                  | 40.00                                   |
|                     | Shank type:                                       | VDI                                     |
|                     | Tool adaption:                                    | Clampshaft SH 32                        |
|                     | Coolant:                                          | IC/Ext                                  |
|                     | Pressure max [bar]:                               | 70                                      |



| Part-#              | Name                                                                                                        |
|---------------------|-------------------------------------------------------------------------------------------------------------|
| <b>8 320 47 000</b> | <b>Internal cutting tool height adjust. 25</b>                                                              |
|                     | Shank size [mm]: 40.00                                                                                      |
|                     | Shank type: VDI                                                                                             |
|                     | Tool adaption: Ø 25                                                                                         |
|                     | Coolant: IC                                                                                                 |
| <b>8 320 49 005</b> | <b>Cut-off holder, height adjustable 845 IC</b>                                                             |
|                     | Weight [kg]: 2.700                                                                                          |
|                     | Version: universal                                                                                          |
|                     | Shank size [mm]: 40.00                                                                                      |
|                     | Shank type: VDI                                                                                             |
|                     | Tool adaption:  System 845 |
|                     | Coolant: IC                                                                                                 |
|                     | Pressure max [bar]: 70                                                                                      |



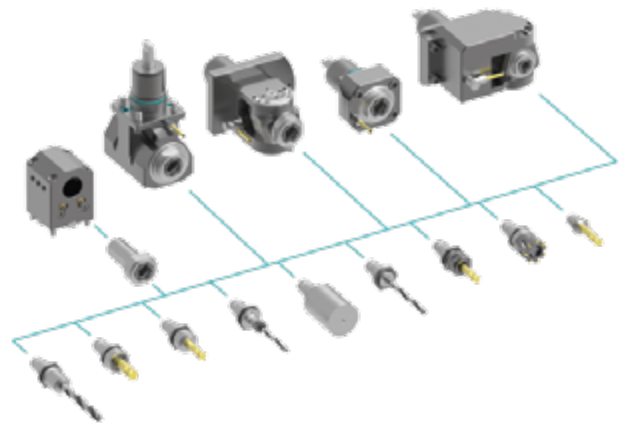
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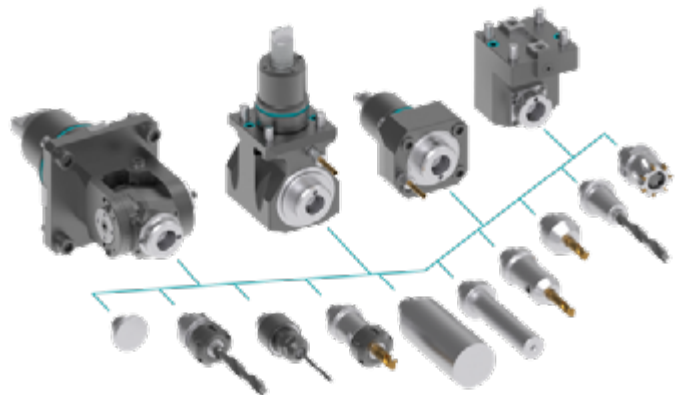
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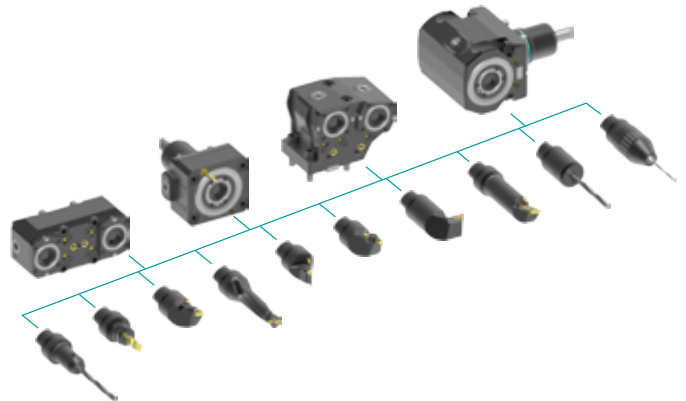
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