

# Gildemeister MF Twin 42



# 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 24 067</b>                                                                 | <b>Axial drilling and milling head Weldon 14</b>   |                                  |
|                                                                                     | Version:                                           | Special                          |
|                                                                                     | Tool drive:                                        | DIN 5480                         |
|                                                                                     | Shank size [mm]:                                   | 30.00                            |
|                                                                                     | Shank type:                                        | VDI                              |
|                                                                                     | Tool adaption:                                     | Weldon (DIN 1835 b) 14           |
|                                                                                     | Gear ratio [i]:                                    | 1:1                              |
|                                                                                     | Torque max [Nm]:                                   | 25                               |
|                                                                                     | Rotation max [1/min]:                              | 6000                             |
|                                                                                     | Rotating direction:                                | same                             |
|                                                                                     | Coolant:                                           | EXT                              |
|                                                                                     | Please note:                                       | stronger bearing, special length |
| <b>8 010 25 090</b>                                                                 | <b>Axial drilling and milling head ER 25</b>       |                                  |
|    | Weight [kg]:                                       | 1.580                            |
|                                                                                     | Tool drive:                                        | DIN 5480                         |
|                                                                                     | Shank size [mm]:                                   | 30.00                            |
|                                                                                     | Shank type:                                        | VDI                              |
|                                                                                     | Tool adaption:                                     | ER 25                            |
|                                                                                     | Gear ratio [i]:                                    | 1:1                              |
|                                                                                     | Torque max [Nm]:                                   | 25                               |
|                                                                                     | Rotation max [1/min]:                              | 6000                             |
|                                                                                     | Rotating direction:                                | same                             |
|                                                                                     | Coolant:                                           | EXT                              |
|                                                                                     | Please note:                                       | round housing ø 68               |
| <b>8 010 25 091</b>                                                                 | <b>Axial drilling and milling head ER 25 IC</b>    |                                  |
|  | Weight [kg]:                                       | 1.830                            |
|                                                                                     | Tool drive:                                        | DIN 5480                         |
|                                                                                     | Shank size [mm]:                                   | 30.00                            |
|                                                                                     | Shank type:                                        | VDI                              |
|                                                                                     | Tool adaption:                                     | ER 25                            |
|                                                                                     | Gear ratio [i]:                                    | 1:1                              |
|                                                                                     | Torque max [Nm]:                                   | 25                               |
|                                                                                     | Rotation max [1/min]:                              | 6000                             |
|                                                                                     | Rotating direction:                                | same                             |
|                                                                                     | Coolant:                                           | IC/Ext                           |
|                                                                                     | Pressure max [bar]:                                | 25                               |
|                                                                                     | Please note:                                       | round housing Ø 68               |
| <b>8 010 25 118</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT</b> |                                  |
|  | Weight [kg]:                                       | 1.780                            |
|                                                                                     | Tool drive:                                        | DIN 5480                         |
|                                                                                     | Shank size [mm]:                                   | 30.00                            |
|                                                                                     | Shank type:                                        | VDI                              |
|                                                                                     | Tool adaption:                                     | ER 25 A - u-tec                  |
|                                                                                     | Gear ratio [i]:                                    | 1:1                              |
|                                                                                     | Torque max [Nm]:                                   | 25                               |
|                                                                                     | Rotation max [1/min]:                              | 12000                            |
|                                                                                     | Rotating direction:                                | same                             |
|                                                                                     | Coolant:                                           | EXT                              |
|                                                                                     | Please note:                                       | stronger bearing                 |

| Part-#                                                                            | Name                                                  |                        |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|------------------------|
| <b>8 010 25 119</b>                                                               | <b>Axial drilling and milling head ER 25 AX UT IC</b> |                        |
|  | Weight [kg]:                                          | 1.780                  |
|                                                                                   | Tool drive:                                           | DIN 5480               |
|                                                                                   | Shank size [mm]:                                      | 30.00                  |
|                                                                                   | Shank type:                                           | VDI                    |
|                                                                                   | Tool adaption:                                        | ER 25 A - u-tec        |
|                                                                                   | Gear ratio [i]:                                       | 1:1                    |
|                                                                                   | Torque max [Nm]:                                      | 25                     |
|                                                                                   | Rotation max [1/min]:                                 | 6000                   |
|                                                                                   | Rotating direction:                                   | same                   |
|                                                                                   | Coolant:                                              | IC/Ext                 |
|                                                                                   | Pressure max [bar]:                                   | 25                     |
|                                                                                   | Please note:                                          | round housing ø 68     |
| <b>8 010 25 154</b>                                                               | <b>Axial drilling and milling head ER 25 AX UT</b>    |                        |
|  | Weight [kg]:                                          | 1.830                  |
|                                                                                   | Tool drive:                                           | DIN 5480               |
|                                                                                   | Shank size [mm]:                                      | 30.00                  |
|                                                                                   | Shank type:                                           | VDI                    |
|                                                                                   | Tool adaption:                                        | ER 25 A - u-tec        |
|                                                                                   | Gear ratio [i]:                                       | 1:1                    |
|                                                                                   | Torque max [Nm]:                                      | 25                     |
|                                                                                   | Rotation max [1/min]:                                 | 12000                  |
|                                                                                   | Rotating direction:                                   | same                   |
|                                                                                   | Coolant:                                              | EXT                    |
| <b>8 013 22 000</b>                                                               | <b>Axial drilling and milling head Weldon 6</b>       |                        |
|                                                                                   | Version:                                              | left                   |
|                                                                                   | Tool drive:                                           | DIN 5480               |
|                                                                                   | Shank size [mm]:                                      | 30.00                  |
|                                                                                   | Shank type:                                           | VDI                    |
|                                                                                   | Tool adaption:                                        | Weldon (DIN 1835 b) 6  |
|                                                                                   | Gear ratio [i]:                                       | 1:2                    |
|                                                                                   | Torque max [Nm]:                                      | 8                      |
|                                                                                   | Rotation max [1/min]:                                 | 8000                   |
|                                                                                   | Rotating direction:                                   | same                   |
|                                                                                   | Coolant:                                              | EXT                    |
| <b>8 013 24 014</b>                                                               | <b>Axial drilling and milling head Weldon 10</b>      |                        |
|                                                                                   | Version:                                              | left                   |
|                                                                                   | Tool drive:                                           | DIN 5480               |
|                                                                                   | Shank size [mm]:                                      | 30.00                  |
|                                                                                   | Shank type:                                           | VDI                    |
|                                                                                   | Tool adaption:                                        | Weldon (DIN 1835 b) 10 |
|                                                                                   | Gear ratio [i]:                                       | 1:2                    |
|                                                                                   | Torque max [Nm]:                                      | 8                      |
|                                                                                   | Rotation max [1/min]:                                 | 8000                   |
|                                                                                   | Rotating direction:                                   | same                   |
|                                                                                   | Coolant:                                              | EXT                    |
| <b>8 013 25 007</b>                                                               | <b>Axial drilling and milling head Weldon 16</b>      |                        |
|                                                                                   | Weight [kg]:                                          | 4.320                  |
|                                                                                   | Version:                                              | left                   |
|                                                                                   | Tool drive:                                           | DIN 5480               |
|                                                                                   | Shank size [mm]:                                      | 30.00                  |
|                                                                                   | Shank type:                                           | VDI                    |
|                                                                                   | Tool adaption:                                        | Weldon (DIN 1835 b) 16 |

| Part-#              | Name                                            |                             |
|---------------------|-------------------------------------------------|-----------------------------|
|                     | Gear ratio [i]:                                 | 1:2                         |
|                     | Torque max [Nm]:                                | 8                           |
|                     | Rotation max [1/min]:                           | 8000                        |
|                     | Rotating direction:                             | same                        |
|                     | Coolant:                                        | EXT                         |
|                     | Please note:                                    | stronger bearing            |
| <b>8 014 25 002</b> | <b>Axial milling head universal arbor 22</b>    |                             |
|                     | Tool drive:                                     | DIN 5480                    |
|                     | Shank size [mm]:                                | 30.00                       |
|                     | Shank type:                                     | VDI                         |
|                     | Tool adaption:                                  | Universal arbor 22          |
|                     | Gear ratio [i]:                                 | 2:1                         |
|                     | Torque max [Nm]:                                | 40                          |
|                     | Rotation max [1/min]:                           | 3000                        |
|                     | Rotating direction:                             | same                        |
|                     | Coolant:                                        | EXT                         |
|                     | Please note:                                    | stronger bearing            |
| <b>8 018 24 002</b> | <b>Axial drilling and milling head ER 16 AX</b> |                             |
|                     | Weight [kg]:                                    | 2.800                       |
|                     | Notation:                                       | Y-axes adjustable ± 21 mm   |
|                     | Tool drive:                                     | DIN 5480                    |
|                     | Shank size [mm]:                                | 30.00                       |
|                     | Shank type:                                     | VDI                         |
|                     | Tool adaption:                                  | ER 16 A                     |
|                     | Gear ratio [i]:                                 | 1:1                         |
|                     | Torque max [Nm]:                                | 16                          |
|                     | Rotation max [1/min]:                           | 6000                        |
|                     | Rotating direction:                             | opposite                    |
|                     | Coolant:                                        | EXT                         |
| <b>8 019 22 001</b> | <b>Axial drilling and milling head ER 8 M</b>   |                             |
|                     | Notation:                                       | offset                      |
|                     | Version:                                        | Special; left               |
|                     | Tool drive:                                     | DIN 5480                    |
|                     | Shank size [mm]:                                | 30.00                       |
|                     | Shank type:                                     | VDI                         |
|                     | Tool adaption:                                  | ER 8                        |
|                     | Gear ratio [i]:                                 | 1:2,174                     |
|                     | Torque max [Nm]:                                | 5                           |
|                     | Rotation max [1/min]:                           | 9000                        |
|                     | Rotating direction:                             | opposite                    |
|                     | Coolant:                                        | EXT                         |
|                     | Please note:                                    | Special version             |
|                     | Offset [mm]:                                    | 70                          |
| <b>8 019 25 008</b> | <b>Axial milling head universal arbor 1"</b>    |                             |
|                     | Weight [kg]:                                    | 5.300                       |
|                     | Notation:                                       | offset                      |
|                     | Version:                                        | left                        |
|                     | Tool drive:                                     | DIN 5480                    |
|                     | Shank size [mm]:                                | 30.00                       |
|                     | Shank type:                                     | VDI                         |
|                     | Tool adaption:                                  | Universal arbor 1" (25,4mm) |
|                     | Gear ratio [i]:                                 | 2:1                         |
|                     | Torque max [Nm]:                                | 40                          |
|                     | Rotation max [1/min]:                           | 4000                        |

| Part-#              | Name                                            |                    |
|---------------------|-------------------------------------------------|--------------------|
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:                                        | EXT                |
|                     | Please note:                                    | stronger bearing   |
|                     | Offset [mm]:                                    | 34,5               |
| <b>8 019 25 021</b> | <b>Axial drilling and milling head ER 25</b>    |                    |
|                     | Weight [kg]:                                    | 4.320              |
|                     | Notation:                                       | offset             |
|                     | Version:                                        | left               |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | ER 25              |
|                     | Gear ratio [i]:                                 | 1:2                |
|                     | Torque max [Nm]:                                | 12                 |
|                     | Rotation max [1/min]:                           | 12000              |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:                                        | EXT                |
|                     | Please note:                                    | stronger bearing   |
|                     | Offset [mm]:                                    | 34,5               |
| <b>8 019 25 025</b> | <b>Axial milling head universal arbor 22</b>    |                    |
|                     | Notation:                                       | offset             |
|                     | Version:                                        | left               |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | Universal arbor 22 |
|                     | Gear ratio [i]:                                 | 2:1                |
|                     | Torque max [Nm]:                                | 40                 |
|                     | Rotation max [1/min]:                           | 4000               |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:                                        | EXT                |
|                     | Please note:                                    | stronger bearing   |
|                     | Offset [mm]:                                    | 34,5               |
| <b>8 019 25 027</b> | <b>Axial drilling and milling head ER 25 IC</b> |                    |
|                     | Weight [kg]:                                    | 4.360              |
|                     | Notation:                                       | offset             |
|                     | Version:                                        | left               |
|                     | Tool drive:                                     | DIN 5480           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | ER 25              |
|                     | Gear ratio [i]:                                 | 1:3                |
|                     | Torque max [Nm]:                                | 6                  |
|                     | Rotation max [1/min]:                           | 15000              |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:                                        | IC/Ext             |
|                     | Pressure max [bar]:                             | 25                 |
|                     | Please note:                                    | stronger bearing   |
|                     | Offset [mm]:                                    | 34,5               |

| Part-#              | Name                                             |
|---------------------|--------------------------------------------------|
| <b>8 019 26 002</b> | <b>Axial drilling and milling head HT 4 IC</b>   |
|                     | Weight [kg]: 4.300                               |
|                     | Notation: offset                                 |
|                     | Version: right                                   |
|                     | Tool drive: DIN 5480                             |
|                     | Shank size [mm]: 30.00                           |
|                     | Shank type: VDI                                  |
|                     | Tool adaption: HT 4                              |
|                     | Gear ratio [i]: 1:2                              |
|                     | Torque max [Nm]: 12                              |
|                     | Rotation max [1/min]: 12000                      |
|                     | Rotating direction: opposite                     |
|                     | Coolant: IC/Ext                                  |
|                     | Pressure max [bar]: 25                           |
|                     | Offset [mm]: 34,5                                |
| <b>8 030 22 003</b> | <b>Radial drilling and milling head Weldon 6</b> |
|                     | Version: right                                   |
|                     | Tool drive: DIN 5480                             |
|                     | Shank size [mm]: 30.00                           |
|                     | Shank type: VDI                                  |
|                     | Tool adaption: Weldon (DIN 1835 b) 6             |
|                     | Gear ratio [i]: 1:2                              |
|                     | Torque max [Nm]: 8                               |
|                     | Rotation max [1/min]: 8000                       |
|                     | Rotating direction: opposite                     |
|                     | Coolant: EXT                                     |
|                     | Center distance [mm]: 100                        |
| <b>8 030 24 036</b> | <b>Radial drilling and milling head ER 20 AX</b> |
|                     | Version: left                                    |
|                     | Tool drive: DIN 5480                             |
|                     | Shank size [mm]: 30.00                           |
|                     | Shank type: VDI                                  |
|                     | Tool adaption: ER 20 A                           |
|                     | Gear ratio [i]: 1:2                              |
|                     | Torque max [Nm]: 8                               |
|                     | Rotation max [1/min]: 12000                      |
|                     | Rotating direction: opposite                     |
|                     | Coolant: EXT                                     |
|                     | Please note: Old turret locator distance 46 mm   |
|                     | Center distance [mm]: 100                        |
| <b>8 030 24 037</b> | <b>Radial drilling and milling head ER 20 AX</b> |
|                     | Tool drive: DIN 5480                             |
|                     | Shank size [mm]: 30.00                           |
|                     | Shank type: VDI                                  |
|                     | Tool adaption: ER 20 A                           |
|                     | Gear ratio [i]: 1:2                              |
|                     | Torque max [Nm]: 8                               |
|                     | Rotation max [1/min]: 12000                      |
|                     | Rotating direction: opposite                     |
|                     | Coolant: EXT                                     |
|                     | Please note: Old turret locator distance 46 mm   |
|                     | Center distance [mm]: 100                        |

| Part-#              | Name                                              |
|---------------------|---------------------------------------------------|
| <b>8 030 24 040</b> | <b>Radial drilling and milling head ER 20 AX</b>  |
|                     | Weight [kg]: 4.760                                |
|                     | Version: left                                     |
|                     | Tool drive: DIN 5480                              |
|                     | Shank size [mm]: 30.00                            |
|                     | Shank type: VDI                                   |
|                     | Tool adaption: ER 20 A                            |
|                     | Gear ratio [i]: 1:2                               |
|                     | Torque max [Nm]: 8                                |
|                     | Rotation max [1/min]: 8000                        |
|                     | Rotating direction: opposite                      |
|                     | Coolant: EXT                                      |
|                     | Center distance [mm]: 100                         |
| <b>8 030 24 067</b> | <b>Radial drilling and milling head ER 20 AX</b>  |
|                     | Tool drive: DIN 5480                              |
|                     | Shank size [mm]: 30.00                            |
|                     | Shank type: VDI                                   |
|                     | Tool adaption: ER 20 A                            |
|                     | Gear ratio [i]: 1:2                               |
|                     | Torque max [Nm]: 8                                |
|                     | Rotation max [1/min]: 8000                        |
|                     | Rotating direction: opposite                      |
|                     | Coolant: EXT                                      |
|                     | Center distance [mm]: 100                         |
| <b>8 030 24 086</b> | <b>Radial drilling and milling head Weldon 10</b> |
|                     | Version: right                                    |
|                     | Tool drive: DIN 5480                              |
|                     | Shank size [mm]: 30.00                            |
|                     | Shank type: VDI                                   |
|                     | Tool adaption: Weldon (DIN 1835 b) 10             |
|                     | Gear ratio [i]: 1:2                               |
|                     | Torque max [Nm]: 8                                |
|                     | Rotation max [1/min]: 8000                        |
|                     | Rotating direction: opposite                      |
|                     | Coolant: EXT                                      |
|                     | Center distance [mm]: 100                         |
| <b>8 030 25 021</b> | <b>Radial drilling and milling head ER 25</b>     |
|                     | Weight [kg]: 3.970                                |
|                     | Version: right                                    |
|                     | Tool drive: DIN 5480                              |
|                     | Shank size [mm]: 30.00                            |
|                     | Shank type: VDI                                   |
|                     | Tool adaption: ER 25                              |
|                     | Gear ratio [i]: 1:1                               |
|                     | Torque max [Nm]: 25                               |
|                     | Rotation max [1/min]: 6000                        |
|                     | Rotating direction: opposite                      |
|                     | Coolant: EXT                                      |
|                     | Center distance [mm]: 100                         |



| Part-#              | Name                                                 |
|---------------------|------------------------------------------------------|
| <b>8 030 25 055</b> | <b>Radial drilling and milling head ER 25</b>        |
|                     | Weight [kg]: 4.020                                   |
|                     | Version: left                                        |
|                     | Tool drive: DIN 5480                                 |
|                     | Shank size [mm]: 30.00                               |
|                     | Shank type: VDI                                      |
|                     | Tool adaption: ER 25                                 |
|                     | Gear ratio [i]: 1:1                                  |
|                     | Torque max [Nm]: 25                                  |
|                     | Rotation max [1/min]: 6000                           |
|                     | Rotating direction: opposite                         |
|                     | Coolant: EXT                                         |
|                     | Center distance [mm]: 100                            |
| <b>8 030 25 058</b> | <b>Radial drilling and milling head Weldon 16 IC</b> |
|                     | Version: left                                        |
|                     | Tool drive: DIN 5480                                 |
|                     | Shank size [mm]: 30.00                               |
|                     | Shank type: VDI                                      |
|                     | Tool adaption: Weldon (DIN 1835 b) 16                |
|                     | Gear ratio [i]: 1:1                                  |
|                     | Torque max [Nm]: 25                                  |
|                     | Rotation max [1/min]: 6000                           |
|                     | Rotating direction: opposite                         |
|                     | Coolant: IC/Ext                                      |
|                     | Center distance [mm]: 100                            |
| <b>8 030 26 013</b> | <b>Radial drilling and milling head Weldon 20 IC</b> |
|                     | Weight [kg]: 4.620                                   |
|                     | Version: left                                        |
|                     | Tool drive: DIN 5480                                 |
|                     | Shank size [mm]: 30.00                               |
|                     | Shank type: VDI                                      |
|                     | Tool adaption: Weldon (DIN 1835 b) 20                |
|                     | Gear ratio [i]: 1:1                                  |
|                     | Torque max [Nm]: 25                                  |
|                     | Rotation max [1/min]: 6000                           |
|                     | Rotating direction: opposite                         |
|                     | Coolant: IC/Ext                                      |
|                     | Please note: stronger bearing                        |
|                     | Center distance [mm]: 100                            |
| <b>8 030 26 055</b> | <b>Radial drilling and milling head HT 4</b>         |
|                     | Weight [kg]: 4.820                                   |
|                     | Version: left                                        |
|                     | Tool drive: DIN 5480                                 |
|                     | Shank size [mm]: 30.00                               |
|                     | Shank type: VDI                                      |
|                     | Tool adaption: HT 4                                  |
|                     | Gear ratio [i]: 1:3                                  |
|                     | Torque max [Nm]: 8                                   |
|                     | Rotation max [1/min]: 15000                          |
|                     | Rotating direction: opposite                         |
|                     | Coolant: EXT                                         |
|                     | Center distance [mm]: 100                            |

| Part-#              | Name                                             |                    |
|---------------------|--------------------------------------------------|--------------------|
| <b>8 031 26 016</b> | <b>Radial milling head universal arbor 27</b>    |                    |
|                     | Weight [kg]:                                     | 3.430              |
|                     | Version:                                         | left               |
|                     | Tool drive:                                      | DIN 5480           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | Universal arbor 27 |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Torque max [Nm]:                                 | 25                 |
|                     | Rotation max [1/min]:                            | 6000               |
|                     | Rotating direction:                              | opposite           |
|                     | Coolant:                                         | EXT                |
|                     | Please note:                                     | stronger bearing   |
|                     | Center distance [mm]:                            | 64                 |
| <b>8 033 25 106</b> | <b>Radial drilling and milling head ER 25 IC</b> |                    |
|                     | Notation:                                        | offset             |
|                     | Version:                                         | left               |
|                     | Tool drive:                                      | DIN 5480           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 25              |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Torque max [Nm]:                                 | 25                 |
|                     | Rotation max [1/min]:                            | 6000               |
|                     | Rotating direction:                              | same               |
|                     | Coolant:                                         | IC/Ext             |
|                     | Pressure max [bar]:                              | 140                |
|                     | Center distance [mm]:                            | 100                |
| <b>8 033 26 017</b> | <b>Radial drilling and milling head HT 4 IC</b>  |                    |
|                     | Weight [kg]:                                     | 5.860              |
|                     | Notation:                                        | offset             |
|                     | Version:                                         | left               |
|                     | Tool drive:                                      | DIN 5480           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | HT 4               |
|                     | Gear ratio [i]:                                  | 1:3                |
|                     | Torque max [Nm]:                                 | 8                  |
|                     | Rotation max [1/min]:                            | 12000              |
|                     | Rotating direction:                              | same               |
|                     | Coolant:                                         | IC/Ext             |
|                     | Pressure max [bar]:                              | 25                 |
|                     | Center distance [mm]:                            | 100                |
| <b>8 033 26 018</b> | <b>Radial drilling and milling head HT 4</b>     |                    |
|                     | Weight [kg]:                                     | 5.640              |
|                     | Notation:                                        | offset             |
|                     | Version:                                         | left               |
|                     | Tool drive:                                      | DIN 5480           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | HT 4               |
|                     | Gear ratio [i]:                                  | 1:3                |
|                     | Torque max [Nm]:                                 | 8                  |
|                     | Rotation max [1/min]:                            | 12000              |
|                     | Rotating direction:                              | same               |

| Part-#              | Name                                             |               |
|---------------------|--------------------------------------------------|---------------|
|                     | Coolant:                                         | EXT           |
|                     | Center distance [mm]:                            | 100           |
| <b>8 036 25 002</b> | <b>Radial drilling and milling head ER 25 IC</b> |               |
|                     | Weight [kg]:                                     | 3.990         |
|                     | Version:                                         | doubletoothed |
|                     | Tool drive:                                      | DIN 5480      |
|                     | Shank size [mm]:                                 | 30.00         |
|                     | Shank type:                                      | VDI           |
|                     | Tool adaption:                                   | ER 25         |
|                     | Gear ratio [i]:                                  | 1:1           |
|                     | Torque max [Nm]:                                 | 25            |
|                     | Rotation max [1/min]:                            | 6000          |
|                     | Rotating direction:                              | opposite      |
|                     | Coolant:                                         | IC/Ext        |
|                     | Pressure max [bar]:                              | 140           |
|                     | Center distance [mm]:                            | 100           |
| <b>8 036 25 003</b> | <b>Radial drilling and milling head ER 25</b>    |               |
|                     | Weight [kg]:                                     | 3.990         |
|                     | Version:                                         | doubletoothed |
|                     | Tool drive:                                      | DIN 5480      |
|                     | Shank size [mm]:                                 | 30.00         |
|                     | Shank type:                                      | VDI           |
|                     | Tool adaption:                                   | ER 25         |
|                     | Gear ratio [i]:                                  | 1:1           |
|                     | Torque max [Nm]:                                 | 25            |
|                     | Rotation max [1/min]:                            | 6000          |
|                     | Rotating direction:                              | opposite      |
|                     | Coolant:                                         | EXT           |
|                     | Center distance [mm]:                            | 100           |
| <b>8 036 25 008</b> | <b>Radial drilling and milling head ER 25</b>    |               |
|                     | Weight [kg]:                                     | 3.540         |
|                     | Version:                                         | doubletoothed |
|                     | Tool drive:                                      | DIN 5480      |
|                     | Shank size [mm]:                                 | 30.00         |
|                     | Shank type:                                      | VDI           |
|                     | Tool adaption:                                   | ER 25         |
|                     | Gear ratio [i]:                                  | 1:1           |
|                     | Torque max [Nm]:                                 | 25            |
|                     | Rotation max [1/min]:                            | 6000          |
|                     | Rotating direction:                              | opposite      |
|                     | Coolant:                                         | EXT           |
|                     | Center distance [mm]:                            | 85            |
| <b>8 036 25 038</b> | <b>Radial drilling and milling head ER 25 IC</b> |               |
|                     | Weight [kg]:                                     | 3.940         |
|                     | Version:                                         | doubletoothed |
|                     | Tool drive:                                      | DIN 5480      |
|                     | Shank size [mm]:                                 | 30.00         |
|                     | Shank type:                                      | VDI           |
|                     | Tool adaption:                                   | ER 25         |
|                     | Gear ratio [i]:                                  | 1:1           |
|                     | Torque max [Nm]:                                 | 25            |
|                     | Rotation max [1/min]:                            | 6000          |
|                     | Rotating direction:                              | opposite      |
|                     | Coolant:                                         | IC/Ext        |

| Part-#              | Name                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Pressure max [bar]: 140<br>Center distance [mm]: 85                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>8 036 25 041</b> | <b>Radial drilling and milling head ER 25 AX UT</b><br>Weight [kg]: 4.220<br>Notation: 180° reversible<br>Version: doubletoothed<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: EXT<br>Please note: stronger bearing<br>Center distance [mm]: 100                                  |
| <b>8 036 25 042</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b><br>Weight [kg]: 4.640<br>Notation: 180° reversible<br>Version: doubletoothed<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: stronger bearing<br>Center distance [mm]: 100 |
| <b>8 036 26 038</b> | <b>Radial drilling and milling head HT 4 IC</b><br>Notation: 180° reversible<br>Version: doubletoothed<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: HT 4<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Center distance [mm]: 85                                                                           |
| <b>8 039 24 008</b> | <b>Radial drilling and milling head ER 20</b><br>Version: double spindle<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 20<br>Gear ratio [i]: 1:1                                                                                                                                                                                                                                                                       |

| Part-#              | Name                                          |                               |
|---------------------|-----------------------------------------------|-------------------------------|
|                     | Torque max [Nm]:                              | 16                            |
|                     | Rotation max [1/min]:                         | 6000                          |
|                     | Rotating direction:                           | same/opposite                 |
|                     | Coolant:                                      | EXT                           |
|                     | Center distance [mm]:                         | 100                           |
| <b>8 039 24 011</b> | <b>Radial milling head universal arbor 16</b> |                               |
|                     | Version:                                      | double spindle                |
|                     | Tool drive:                                   | DIN 5480                      |
|                     | Shank size [mm]:                              | 30.00                         |
|                     | Shank type:                                   | VDI                           |
|                     | Tool adaption:                                | Universal arbor 16            |
|                     | Gear ratio [i]:                               | 1:1                           |
|                     | Torque max [Nm]:                              | 16                            |
|                     | Rotation max [1/min]:                         | 6000                          |
|                     | Rotating direction:                           | same/opposite                 |
|                     | Coolant:                                      | EXT                           |
| <b>8 039 25 006</b> | <b>Radial drilling and milling head ER 25</b> |                               |
|                     | Weight [kg]:                                  | 4.440                         |
|                     | Version:                                      | double spindle                |
|                     | Tool drive:                                   | DIN 5480                      |
|                     | Shank size [mm]:                              | 30.00                         |
|                     | Shank type:                                   | VDI                           |
|                     | Tool adaption:                                | ER 25                         |
|                     | Gear ratio [i]:                               | 1:1                           |
|                     | Torque max [Nm]:                              | 25                            |
|                     | Rotation max [1/min]:                         | 6000                          |
|                     | Rotating direction:                           | same/opposite                 |
|                     | Coolant:                                      | EXT                           |
|                     | Please note:                                  | stronger bearing              |
|                     | Center distance [mm]:                         | 100                           |
| <b>8 039 25 053</b> | <b>Radial drilling and milling head ER 25</b> |                               |
|                     | Weight [kg]:                                  | 4.530                         |
|                     | Version:                                      | double spindle; doubletoothed |
|                     | Tool drive:                                   | DIN 5480                      |
|                     | Shank size [mm]:                              | 30.00                         |
|                     | Shank type:                                   | VDI                           |
|                     | Tool adaption:                                | ER 25                         |
|                     | Gear ratio [i]:                               | 1:1                           |
|                     | Torque max [Nm]:                              | 25                            |
|                     | Rotation max [1/min]:                         | 6000                          |
|                     | Rotating direction:                           | same/opposite                 |
|                     | Coolant:                                      | EXT                           |
|                     | Please note:                                  | stronger bearing              |
|                     | Center distance [mm]:                         | 100                           |
| <b>8 039 25 070</b> | <b>Radial drilling and milling head ER 25</b> |                               |
|                     | Weight [kg]:                                  | 4.330                         |
|                     | Version:                                      | 360° turnable                 |
|                     | Tool drive:                                   | DIN 5480                      |
|                     | Shank size [mm]:                              | 30.00                         |
|                     | Shank type:                                   | VDI                           |
|                     | Tool adaption:                                | ER 25                         |
|                     | Gear ratio [i]:                               | 1:1                           |
|                     | Torque max [Nm]:                              | 16                            |
|                     | Rotation max [1/min]:                         | 6000                          |

| Part-#              | Name                                                 |                                        |
|---------------------|------------------------------------------------------|----------------------------------------|
|                     | Rotating direction:                                  | opposite                               |
|                     | Coolant:                                             | EXT                                    |
|                     | Please note:                                         | stronger bearing                       |
|                     | Center distance [mm]:                                | 85                                     |
| <b>8 039 26 003</b> | <b>Radial drilling and milling head ER 25 / HT 4</b> |                                        |
|                     | Weight [kg]:                                         | 4.480                                  |
|                     | Version:                                             | double spindle                         |
|                     | Tool drive:                                          | DIN 5480                               |
|                     | Shank size [mm]:                                     | 30.00                                  |
|                     | Shank type:                                          | VDI                                    |
|                     | Tool adaption:                                       | HT 4                                   |
|                     |                                                      | ER 25                                  |
|                     | Gear ratio [i]:                                      | 1:1                                    |
|                     | Torque max [Nm]:                                     | 16                                     |
|                     | Rotation max [1/min]:                                | 6000                                   |
|                     | Rotating direction:                                  | same/opposite                          |
|                     | Coolant:                                             | EXT                                    |
|                     | Center distance [mm]:                                | 100                                    |
| <b>8 039 26 004</b> | <b>Radial drilling and milling head HT 4</b>         |                                        |
|                     | Weight [kg]:                                         | 4.500                                  |
|                     | Version:                                             | double spindle                         |
|                     | Tool drive:                                          | DIN 5480                               |
|                     | Shank size [mm]:                                     | 30.00                                  |
|                     | Shank type:                                          | VDI                                    |
|                     | Tool adaption:                                       | HT 4                                   |
|                     | Gear ratio [i]:                                      | 1:1                                    |
|                     | Torque max [Nm]:                                     | 25                                     |
|                     | Rotation max [1/min]:                                | 6000                                   |
|                     | Rotating direction:                                  | same/opposite                          |
|                     | Coolant:                                             | EXT                                    |
|                     | Please note:                                         | stronger bearing                       |
|                     | Center distance [mm]:                                | 100                                    |
| <b>8 039 26 021</b> | <b>Radial drilling and milling head HT 4</b>         |                                        |
|                     | Weight [kg]:                                         | 4.600                                  |
|                     | Version:                                             | double spindle                         |
|                     | Tool drive:                                          | DIN 5480                               |
|                     | Shank size [mm]:                                     | 30.00                                  |
|                     | Shank type:                                          | VDI                                    |
|                     | Tool adaption:                                       | HT 4                                   |
|                     | Gear ratio [i]:                                      | 1:1                                    |
|                     | Torque max [Nm]:                                     | 25                                     |
|                     | Rotation max [1/min]:                                | 6000                                   |
|                     | Rotating direction:                                  | same/opposite                          |
|                     | Coolant:                                             | EXT                                    |
|                     | Please note:                                         | Fixation slide stone; stronger bearing |
|                     | Center distance [mm]:                                | 100                                    |
| <b>8 039 26 026</b> | <b>Radial drilling and milling head HT 4</b>         |                                        |
|                     | Version:                                             | double spindle; doubletoothed          |
|                     | Tool drive:                                          | DIN 5480                               |
|                     | Shank size [mm]:                                     | 30.00                                  |
|                     | Shank type:                                          | VDI                                    |
|                     | Tool adaption:                                       | HT 4                                   |
|                     | Gear ratio [i]:                                      | 1:1                                    |
|                     | Torque max [Nm]:                                     | 25                                     |

| Part-#              | Name                                           |                          |
|---------------------|------------------------------------------------|--------------------------|
|                     | Rotation max [1/min]:                          | 6000                     |
|                     | Rotating direction:                            | same/opposite            |
|                     | Coolant:                                       | EXT                      |
|                     | Please note:                                   | stronger bearing         |
|                     | Center distance [mm]:                          | 100                      |
| <b>8 039 29 001</b> | <b>Angle head for adapter v. Microborekopf</b> |                          |
|                     | Tool drive:                                    | DIN 5480                 |
|                     | Shank size [mm]:                               | 30.00                    |
|                     | Shank type:                                    | VDI                      |
|                     | Tool adaption:                                 | Centering bore 58,2      |
|                     | Gear ratio [i]:                                | 1:1                      |
|                     | Torque max [Nm]:                               | 25                       |
|                     | Rotation max [1/min]:                          | 6000                     |
|                     | Rotating direction:                            | opposite                 |
|                     | Coolant:                                       | EXT                      |
|                     | Center distance [mm]:                          | 100                      |
| <b>8 040 24 012</b> | <b>Universal head ± 90° adjustable ER 20</b>   |                          |
|                     | Weight [kg]:                                   | 2.470                    |
|                     | Version:                                       | right                    |
|                     | Tool drive:                                    | DIN 5480                 |
|                     | Shank size [mm]:                               | 30.00                    |
|                     | Shank type:                                    | VDI                      |
|                     | Tool adaption:                                 | ER 20                    |
|                     | Gear ratio [i]:                                | 1:1                      |
|                     | Torque max [Nm]:                               | 10                       |
|                     | Rotation max [1/min]:                          | 6000                     |
|                     | Rotating direction:                            | same                     |
|                     | Coolant:                                       | EXT                      |
|                     | Please note:                                   | Fixation 180° reversible |
|                     | Center distance [mm]:                          | 64                       |
| <b>8 040 24 032</b> | <b>Universal head ± 90° adjustable HT 2</b>    |                          |
|                     | Weight [kg]:                                   | 3.080                    |
|                     | Version:                                       | doubletoothed            |
|                     | Tool drive:                                    | DIN 5480                 |
|                     | Shank size [mm]:                               | 30.00                    |
|                     | Shank type:                                    | VDI                      |
|                     | Tool adaption:                                 | HT 2                     |
|                     | Gear ratio [i]:                                | 1:1                      |
|                     | Torque max [Nm]:                               | 10                       |
|                     | Rotation max [1/min]:                          | 5000                     |
|                     | Rotating direction:                            | same                     |
|                     | Coolant:                                       | EXT                      |
|                     | Please note:                                   | Note swivel range        |
|                     | Center distance [mm]:                          | 97                       |
| <b>8 040 24 035</b> | <b>Universal head ± 90° adjustable ER 16</b>   |                          |
|                     | Weight [kg]:                                   | 2.320                    |
|                     | Version:                                       | right                    |
|                     | Tool drive:                                    | DIN 5480                 |
|                     | Shank size [mm]:                               | 30.00                    |
|                     | Shank type:                                    | VDI                      |
|                     | Tool adaption:                                 | ER 16                    |
|                     | Gear ratio [i]:                                | 1:1                      |
|                     | Torque max [Nm]:                               | 10                       |
|                     | Rotation max [1/min]:                          | 6000                     |

| Part-#              | Name                                                                                                                                                                                                                                                                                                                             |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Rotating direction: same<br>Coolant: EXT<br>Please note: Fixation 180° reversible<br>Center distance [mm]: 64                                                                                                                                                                                                                    |
| <b>8 040 24 059</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b>                                                                                                                                                                                                                                                                               |
|                     | Weight [kg]: 4.430<br>Version: left<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 16 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 12<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: EXT<br>Center distance [mm]: 88                              |
| <b>8 040 24 075</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b>                                                                                                                                                                                                                                                                            |
|                     | Weight [kg]: 4.450<br>Version: left<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<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<br>Center distance [mm]: 88 |
| <b>8 040 24 077</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b>                                                                                                                                                                                                                                                                               |
|                     | Version: left<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<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]: 88                                                     |
| <b>8 040 24 078</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b>                                                                                                                                                                                                                                                                            |
|                     | Version: left<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 16 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 12<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: IC/Ext                                                                             |



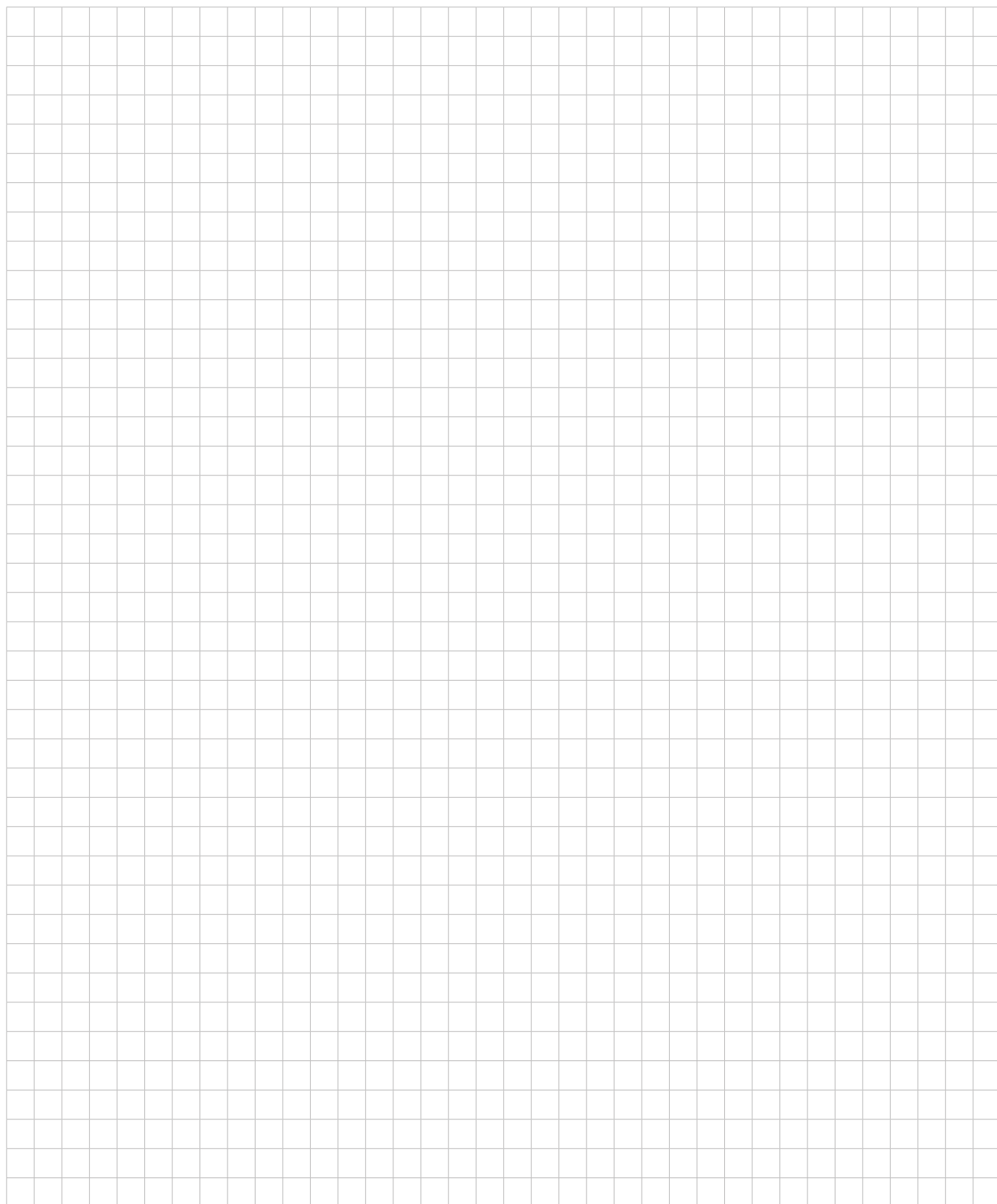
| Part-#              | Name                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Pressure max [bar]: 140<br>Center distance [mm]: 88                                                                                                                                                                                                                                                                                                                                        |
| <b>8 040 24 079</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b><br>Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<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]: 88                                                        |
| <b>8 040 24 081</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b><br>Weight [kg]: 4.450<br>Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<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<br>Center distance [mm]: 88 |
| <b>8 040 24 084</b> | <b>Universal head ± 90° adjustable ER 16 AX UT</b><br>Weight [kg]: 4.440<br>Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 16 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 12<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: EXT<br>Center distance [mm]: 88                                 |
| <b>8 040 24 087</b> | <b>Universal head ± 90° adjustable ER 16 AX UT IC</b><br>Version: right<br>Tool drive: DIN 5480<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 16 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 12<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Center distance [mm]: 88                      |

| Part-#              | Name                                                                      |                                             |
|---------------------|---------------------------------------------------------------------------|---------------------------------------------|
| <b>8 040 24 108</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 16 AX UT</b>    |                                             |
|                     | Weight [kg]:                                                              | 4.470                                       |
|                     | Version:                                                                  | left, at $+45^\circ$ position can be pinned |
|                     | Tool drive:                                                               | DIN 5480                                    |
|                     | Shank size [mm]:                                                          | 30.00                                       |
|                     | Shank type:                                                               | VDI                                         |
|                     | Tool adaption:                                                            | ER 16 A - u-tec                             |
|                     | Gear ratio [i]:                                                           | 1:2                                         |
|                     | Torque max [Nm]:                                                          | 12                                          |
|                     | Rotation max [1/min]:                                                     | 12000                                       |
|                     | Rotating direction:                                                       | opposite                                    |
|                     | Coolant:                                                                  | EXT                                         |
|                     | Center distance [mm]:                                                     | 88                                          |
| <b>8 040 25 021</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 25 AX UT</b>    |                                             |
|                     | Weight [kg]:                                                              | 4.630                                       |
|                     | Version:                                                                  | left                                        |
|                     | Tool drive:                                                               | DIN 5480                                    |
|                     | Shank size [mm]:                                                          | 30.00                                       |
|                     | Shank type:                                                               | VDI                                         |
|                     | Tool adaption:                                                            | ER 25 A - u-tec                             |
|                     | Gear ratio [i]:                                                           | 1:1                                         |
|                     | Torque max [Nm]:                                                          | 25                                          |
|                     | Rotation max [1/min]:                                                     | 6000                                        |
|                     | Rotating direction:                                                       | opposite                                    |
|                     | Coolant:                                                                  | EXT                                         |
|                     | Please note:                                                              | stronger bearing                            |
|                     | Center distance [mm]:                                                     | 88                                          |
| <b>8 040 25 022</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 25 AX UT IC</b> |                                             |
|                     | Weight [kg]:                                                              | 4.650                                       |
|                     | Version:                                                                  | left                                        |
|                     | Tool drive:                                                               | DIN 5480                                    |
|                     | Shank size [mm]:                                                          | 30.00                                       |
|                     | Shank type:                                                               | VDI                                         |
|                     | Tool adaption:                                                            | ER 25 A - u-tec                             |
|                     | Gear ratio [i]:                                                           | 1:1                                         |
|                     | Torque max [Nm]:                                                          | 25                                          |
|                     | Rotation max [1/min]:                                                     | 6000                                        |
|                     | Rotating direction:                                                       | opposite                                    |
|                     | Coolant:                                                                  | IC/Ext                                      |
|                     | Pressure max [bar]:                                                       | 140                                         |
|                     | Please note:                                                              | stronger bearing                            |
|                     | Center distance [mm]:                                                     | 88                                          |
| <b>8 040 25 032</b> | <b>Universal head <math>\pm 90^\circ</math> adjustable ER 25 AX UT</b>    |                                             |
|                     | Weight [kg]:                                                              | 4.660                                       |
|                     | Version:                                                                  | right                                       |
|                     | Tool drive:                                                               | DIN 5480                                    |
|                     | Shank size [mm]:                                                          | 30.00                                       |
|                     | Shank type:                                                               | VDI                                         |
|                     | Tool adaption:                                                            | ER 25 A - u-tec                             |
|                     | Gear ratio [i]:                                                           | 1:1                                         |
|                     | Torque max [Nm]:                                                          | 25                                          |
|                     | Rotation max [1/min]:                                                     | 6000                                        |
|                     | Rotating direction:                                                       | opposite                                    |
|                     | Coolant:                                                                  | EXT                                         |
|                     | Please note:                                                              | stronger bearing                            |

| Part-#              | Name                                                  |
|---------------------|-------------------------------------------------------|
|                     | Center distance [mm]: 88                              |
| <b>8 040 25 040</b> | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b> |
|                     | Weight [kg]: 3.500                                    |
|                     | Version: right                                        |
|                     | Tool drive: DIN 5480                                  |
|                     | Shank size [mm]: 30.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: ER 25 A - u-tec                        |
|                     | Gear ratio [i]: 1:1                                   |
|                     | Torque max [Nm]: 25                                   |
|                     | Rotation max [1/min]: 6000                            |
|                     | Rotating direction: opposite                          |
|                     | Coolant: IC/Ext                                       |
|                     | Pressure max [bar]: 140                               |
|                     | Please note: stronger bearing                         |
|                     | Center distance [mm]: 88                              |
| <b>8 049 24 000</b> | <b>Universal head ± 90° adjustable ER 16</b>          |
|                     | Version: 360° turnable                                |
|                     | Tool drive: DIN 5480                                  |
|                     | Shank size [mm]: 30.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: ER 16                                  |
|                     | Gear ratio [i]: 1:1                                   |
|                     | Torque max [Nm]: 10                                   |
|                     | Rotation max [1/min]: 6000                            |
|                     | Rotating direction: same                              |
|                     | Coolant: EXT                                          |
|                     | Center distance [mm]: 95                              |
| <b>8 210 25 008</b> | <b>Tool holder VDI 30 - ABS 50</b>                    |
|                     | Employment for: left cutting tools                    |
|                     | Shank size [mm]: 30.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: ABS 50                                 |
| <b>8 210 26 011</b> | <b>Tool holder HT 4 IC</b>                            |
|                     | Weight [kg]: 1.270                                    |
|                     | Version: right                                        |
|                     | Shank size [mm]: 30.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: HT 4                                   |
|                     | Coolant: IC/Ext                                       |
| <b>8 210 26 012</b> | <b>Tool holder HT 4 IC</b>                            |
|                     | Version: left                                         |
|                     | Shank size [mm]: 30.00                                |
|                     | Shank type: VDI                                       |
|                     | Tool adaption: HT 4                                   |
|                     | Coolant: IC/Ext                                       |

| Part-#              | Name                             |                              |
|---------------------|----------------------------------|------------------------------|
| <b>8 230 25 007</b> | <b>Collet chuck holder ER 25</b> |                              |
|                     | Weight [kg]:                     | 3.870                        |
|                     | Version:                         | right                        |
|                     | Shank size [mm]:                 | 30.00                        |
|                     | Shank type:                      | VDI                          |
|                     | Tool adaption:                   | ER 25                        |
|                     | Coolant:                         | IC/Ext                       |
|                     | Please note:                     | demountable in left version  |
|                     | Center distance [mm]:            | 100                          |
| <b>8 230 26 022</b> | <b>Tool holder HT 4</b>          |                              |
|                     | Weight [kg]:                     | 3.940                        |
|                     | Version:                         | doubletoothed                |
|                     | Shank size [mm]:                 | 30.00                        |
|                     | Shank type:                      | VDI                          |
|                     | Tool adaption:                   | HT 4                         |
|                     | Coolant:                         | IC/Ext                       |
|                     | Please note:                     | HT- insert demountable       |
|                     | Center distance [mm]:            | 100                          |
| <b>8 230 26 023</b> | <b>Tool holder HT 4</b>          |                              |
|                     | Version:                         | right                        |
|                     | Shank size [mm]:                 | 30.00                        |
|                     | Shank type:                      | VDI                          |
|                     | Tool adaption:                   | HT 4                         |
|                     | Coolant:                         | IC/Ext                       |
|                     | Please note:                     | demountable in left version  |
|                     | Center distance [mm]:            | 100                          |
| <b>8 230 28 003</b> | <b>Boring bar holder Ø 32</b>    |                              |
|                     | Weight [kg]:                     | 4.455                        |
|                     | Version:                         | right                        |
|                     | Shank size [mm]:                 | 30.00                        |
|                     | Shank type:                      | VDI                          |
|                     | Tool adaption:                   | Ø 32                         |
|                     | Coolant:                         | IC/Ext                       |
|                     | Please note:                     | demountable in left version  |
|                     | Center distance [mm]:            | 100                          |
| <b>8 231 25 000</b> | <b>Collet chuck holder ER 25</b> |                              |
|                     | Weight [kg]:                     | 3.880                        |
|                     | Version:                         | left                         |
|                     | Shank size [mm]:                 | 30.00                        |
|                     | Shank type:                      | VDI                          |
|                     | Tool adaption:                   | ER 25                        |
|                     | Coolant:                         | IC/Ext                       |
|                     | Please note:                     | demountable in right version |
|                     | Center distance [mm]:            | 100                          |
| <b>8 231 26 011</b> | <b>Tool holder HT 4</b>          |                              |
|                     | Version:                         | left                         |
|                     | Shank size [mm]:                 | 30.00                        |
|                     | Shank type:                      | VDI                          |
|                     | Tool adaption:                   | HT 4                         |
|                     | Coolant:                         | IC/Ext                       |
|                     | Please note:                     | demountable in right version |
|                     | Center distance [mm]:            | 100                          |

| Part-#                                                                            | Name                                 |                       |
|-----------------------------------------------------------------------------------|--------------------------------------|-----------------------|
| <b>8 239 26 013</b>                                                               | <b>Double tool holder HT 4</b>       |                       |
|                                                                                   | Employment for:                      | Main- and sub spindle |
|                                                                                   | Shank size [mm]:                     | 30.00                 |
|                                                                                   | Shank type:                          | VDI                   |
|                                                                                   | Tool adaption:                       | HT 4                  |
|                                                                                   | Coolant:                             | IC/Ext                |
|                                                                                   | Center distance [mm]:                | 100                   |
| <b>8 239 27 006</b>                                                               | <b>Double boring bar holder Ø 25</b> |                       |
|  | Shank size [mm]:                     | 30.00                 |
|                                                                                   | Shank type:                          | VDI                   |
|                                                                                   | Tool adaption:                       | Ø 25                  |
|                                                                                   | Coolant:                             | IC/Ext                |
|                                                                                   | Center distance [mm]:                | 100                   |
| <b>8 239 28 000</b>                                                               | <b>Double boring bar holder Ø 32</b> |                       |
|                                                                                   | Weight [kg]:                         | 6.240                 |
|                                                                                   | Shank size [mm]:                     | 30.00                 |
|                                                                                   | Tool adaption:                       | Ø 32                  |
|                                                                                   | Coolant:                             | IC/Ext                |
|                                                                                   | Center distance [mm]:                | 100                   |



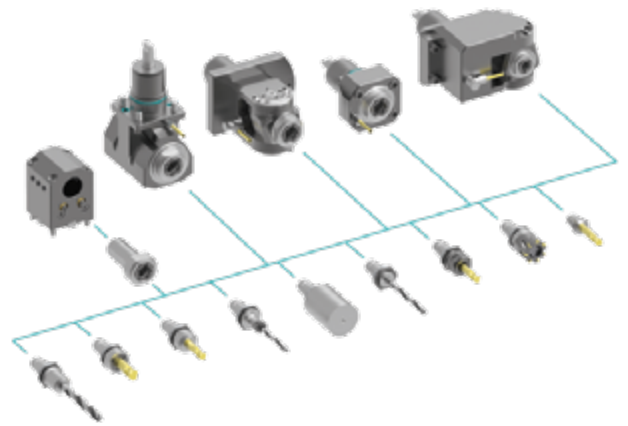
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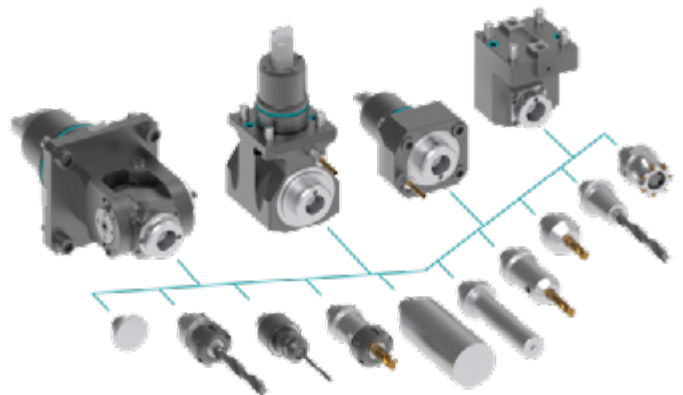
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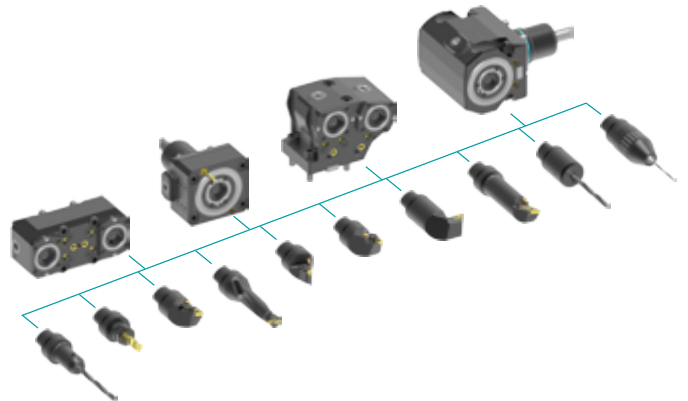
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