

Gildemeister  
**CTX 200 Serie 2**  
**- VDI 30**



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

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

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

## \*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems




Tool systems for gear production






Digital tool management



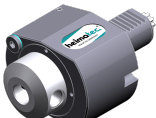
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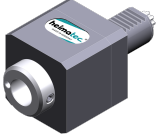
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| Part-#       | Name   |   |
|--------------|--|---|
| 8 010 22 004 | <b>Axial drilling and milling head Weldon 6</b>  |    |
|              |  | Tool drive: DIN 5482<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: Weldon (DIN 1835 b) 6<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 6000<br>Rotating direction: same<br>Coolant: EXT       |
| 8 010 23 004 | <b>Axial drilling and milling head Weldon 8</b>  |   |
|              |  | Tool drive: DIN 5482<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: Weldon (DIN 1835 b) 8<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 6000<br>Rotating direction: same<br>Coolant: EXT       |
| 8 010 24 002 | <b>Axial drilling and milling head ER 20</b>     |    |
|              |  | Weight [kg]: 1.400<br>Tool drive: DIN 5482<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: ER 20<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 6000<br>Rotating direction: same<br>Coolant: EXT |
| 8 010 24 022 | <b>Axial drilling head b 16 IC</b>               |   |
|              |  | Tool drive: DIN 5482<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: DIN 238 - b 16<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 6000<br>Rotating direction: same<br>Coolant: IC/Ext           |
| 8 010 24 033 | <b>Axial drilling and milling head Weldon 10</b> |    |
|              |  | Tool drive: DIN 5482<br>Shank size [mm]: 30.00<br>Shank type: VDI<br>Tool adaption: Weldon (DIN 1835 b) 10<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 6000<br>Rotating direction: same<br>Coolant: EXT      |

| Part-#       | Name  |   |
|--------------|---|---|
| 8 010 24 036 | <b>Axial drilling and milling head Weldon 14</b>      |   |
|              |   |    |
|              | Tool drive:   | DIN 5482  |
|              | Shank size [mm]:                                      | 30.00   |
|              | Shank type:   | VDI   |
|              | Tool adaption:  | Weldon (DIN 1835 b) 14  |
|              | Gear ratio [i]:                                       | 1:1   |
|              | Torque max [Nm]:                                      | 16  |
|              | Rotation max [1/min]:                                 | 6000  |
|              | Rotating direction:                                   | same  |
|              | Coolant:  | EXT   |
| 8 010 24 040 | <b>Axial drilling and milling head C 12</b>           |   |
|              |   |    |
|              | Tool drive:   | DIN 5482  |
|              | Shank size [mm]:                                      | 30.00   |
|              | Shank type:   | VDI   |
|              | Tool adaption:  | DIN 6388 - C 12   |
|              | Gear ratio [i]:                                       | 1:1   |
|              | Torque max [Nm]:                                      | 16  |
|              | Rotation max [1/min]:                                 | 6000  |
|              | Rotating direction:                                   | same  |
|              | Coolant:  | EXT   |
| 8 010 24 055 | <b>Axial drilling and milling head ER 16</b>          |   |
|              |   |  |
|              | Weight [kg]:  | 1.900   |
|              | Tool drive:   | DIN 5482  |
|              | Shank size [mm]:                                      | 30.00   |
|              | Shank type:   | VDI   |
|              | Tool adaption:  | ER 16   |
|              | Gear ratio [i]:                                       | 1:1   |
|              | Torque max [Nm]:                                      | 16  |
|              | Rotation max [1/min]:                                 | 6000  |
|              | Rotating direction:                                   | same  |
|              | Coolant:  | EXT   |
| 8 010 25 000 | <b>Axial drilling and milling head ER 25</b>          |   |
|              |   |  |
|              | Weight [kg]:  | 1.480   |
|              | Tool drive:   | DIN 5482  |
|              | 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   |
| 8 010 25 006 | <b>Axial drilling and milling head ER 25 AX UT IC</b> |   |
|              |   |  |
|              | Weight [kg]:  | 1.630   |
|              | Tool drive:   | DIN 5482  |
|              | Shank size [mm]:                                      | 30.00   |
|              | Shank type:   | VDI   |
|              | Tool adaption:  | ER 25 A - u-tec   |
|              | Gear ratio [i]:                                       | 1:1   |
|              | Torque max [Nm]:                                      | 16  |
|              | Rotation max [1/min]:                                 | 6000  |
|              | Rotating direction:                                   | same  |
|              | Coolant:  | IC/Ext  |

| Part-#  | Name  |                                   |
|---|---|-----------------------------------|
|   | Pressure max [bar]:                                 | 25                                |
|   | Please note:  | round housing Ø 68                |
| <b>8 010 25 018</b>   | <b>Axial drilling and milling head ER 25 IC air</b> |                                   |
|    | Weight [kg]:  | 1.910                             |
|   | Tool drive:   | DIN 5482                          |
|   | 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                              |
|   | Rotating direction:                                 | same                              |
|   | Coolant:  | IC air                            |
|   | Pressure max [bar]:                                 | 10                                |
| <b>8 010 25 042</b>   | <b>Axial drilling and milling head ER 25 IC</b>     |                                   |
|   | Weight [kg]:  | 1.710                             |
|   | Tool drive:   | DIN 5482                          |
|   | 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 25 043</b>   | <b>Axial drilling and milling head Weldon 16 IC</b> |                                   |
|  | Tool drive:   | DIN 5482                          |
|   | Shank size [mm]:                                    | 30.00                             |
|   | Shank type:   | VDI                               |
|   | Tool adaption:                                      | Weldon (DIN 1835 b) 16            |
|   | Gear ratio [i]:                                     | 1:1                               |
|   | Torque max [Nm]:                                    | 16                                |
|   | Rotation max [1/min]:                               | 6000                              |
|   | Rotating direction:                                 | same                              |
|   | Coolant:  | IC/Ext                            |
|   | Pressure max [bar]:                                 | 25                                |
| <b>8 010 25 061</b>   | <b>Axial drilling and milling head ER 25</b>        |                                   |
|   | Weight [kg]:  | 3.400                             |
|   | Version:  | Special                           |
|   | Tool drive:   | DIN 5482                          |
|   | 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                              |
|   | Rotating direction:                                 | same                              |
|   | Coolant:  | EXT                               |
|   | Please note:  | stronger bearing,extended housing |

| Part-#  | Name   |                                      |
|---|--|--------------------------------------|
| <b>8 010 25 132</b>   | <b>Axial drilling and milling head ER 25 AX UT</b> |                                      |
|    | Weight [kg]:                                       | 1.660                                |
|   | Tool drive:  | DIN 5482                             |
|   | Shank size [mm]:                                   | 30.00                                |
|   | Shank type:  | VDI                                  |
|   | Tool adaption:                                     | ER 25 A - u-tec                      |
|   | Gear ratio [i]:                                    | 1:1                                  |
|   | Torque max [Nm]:                                   | 16                                   |
|   | Rotation max [1/min]:                              | 8000                                 |
|   | Rotating direction:                                | same                                 |
|   | Coolant:   | EXT                                  |
|   | Please note:                                       | round housing ø 68; stronger bearing |
| <b>8 010 26 002</b>   | <b>Axial drilling and milling head Weldon 20</b>   |                                      |
|    | Tool drive:  | DIN 5482                             |
|   | Shank size [mm]:                                   | 30.00                                |
|   | Shank type:  | VDI                                  |
|   | Tool adaption:                                     | Weldon (DIN 1835 b) 20               |
|   | Gear ratio [i]:                                    | 1:1                                  |
|   | Torque max [Nm]:                                   | 16                                   |
|   | Rotation max [1/min]:                              | 6000                                 |
|   | Rotating direction:                                | same                                 |
|   | Coolant:   | EXT                                  |
|   | Please note:                                       | round housing Ø 68, stronger bearing |
| <b>8 010 26 011</b>   | <b>Axial drilling and milling head HT 4 IC</b>     |                                      |
|  | Weight [kg]:                                       | 1.640                                |
|   | Tool drive:  | DIN 5482                             |
|   | Shank size [mm]:                                   | 30.00                                |
|   | Shank type:  | VDI                                  |
|   | Tool adaption:                                     | HT 4                                 |
|   | Gear ratio [i]:                                    | 1:1                                  |
|   | Torque max [Nm]:                                   | 16                                   |
|   | Rotation max [1/min]:                              | 6000                                 |
|   | Rotating direction:                                | same                                 |
|   | Coolant:   | IC/Ext                               |
|   | Pressure max [bar]:                                | 25                                   |
|   | Please note:                                       | round housing ø 68                   |
| <b>8 010 26 016</b>   | <b>Axial drilling and milling head HT 4</b>        |                                      |
|  | Weight [kg]:                                       | 1.410                                |
|   | Tool drive:  | DIN 5482                             |
|   | 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                                 |
|   | Coolant:   | EXT                                  |

| Part-#  | Name   |                    |
|---|--|--------------------|
| <b>8 010 26 021</b>   | <b>Axial drilling and milling head ER 32 IC</b>    |                    |
|  | Weight [kg]:                                       | 2.800              |
|   | Tool drive:  | DIN 5482           |
|   | Shank size [mm]:                                   | 30.00              |
|   | Shank type:  | VDI                |
|   | Tool adaption:                                     | ER 32              |
|   | Gear ratio [i]:                                    | 1:1                |
|   | Torque max [Nm]:                                   | 16                 |
|   | Rotation max [1/min]:                              | 6000               |
|   | Rotating direction:                                | same               |
|   | Coolant:   | IC/Ext             |
|   | Pressure max [bar]:                                | 25                 |
|   | Please note:                                       | stronger bearing   |
| <b>8 010 26 028</b>   | <b>Axial drilling and milling head HT 4 IC air</b> |                    |
|  | Tool drive:  | DIN 5482           |
|   | Shank size [mm]:                                   | 30.00              |
|   | Shank type:  | VDI                |
|   | Tool adaption:                                     | HT 4               |
|   | Gear ratio [i]:                                    | 1:1                |
|   | Torque max [Nm]:                                   | 16                 |
|   | Rotation max [1/min]:                              | 6000               |
|   | Rotating direction:                                | same               |
|   | Coolant:   | IC air             |
|   | Pressure max [bar]:                                | 10                 |
| <b>8 011 24 000</b>   | <b>Axial milling head universal arbor 16</b>       |                    |
|   | Weight [kg]:                                       | 1.940              |
|   | Tool drive:  | DIN 5482           |
|   | 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               |
|   | Coolant:   | EXT                |
| <b>8 011 25 004</b>   | <b>Axial milling head universal arbor 22</b>       |                    |
|   | Tool drive:  | DIN 5482           |
|   | Shank size [mm]:                                   | 30.00              |
|   | Shank type:  | VDI                |
|   | Tool adaption:                                     | Universal arbor 22 |
|   | Gear ratio [i]:                                    | 1:1                |
|   | Torque max [Nm]:                                   | 16                 |
|   | Rotation max [1/min]:                              | 6000               |
|   | Rotating direction:                                | same               |
|   | Coolant:   | EXT                |
|   | Please note:                                       | stronger bearing   |
| <b>8 011 26 000</b>   | <b>Axial milling head universal arbor 27</b>       |                    |
|   | Weight [kg]:                                       | 2.480              |
|   | Tool drive:  | DIN 5482           |
|   | Shank size [mm]:                                   | 30.00              |
|   | Shank type:  | VDI                |
|   | Tool adaption:                                     | Universal arbor 27 |
|   | Gear ratio [i]:                                    | 1:1                |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
|                     | Torque max [Nm]:                                   | 16               |
|                     | Rotation max [1/min]:                              | 6000             |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | EXT              |
|                     | Please note:                                       | stronger bearing |
| <b>8 013 24 003</b> | <b>Axial drilling and milling head ER 20 AX IC</b> |                  |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | Shank size [mm]:                                   | 30.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:                                     | ER 20 A          |
|                     | Gear ratio [i]:                                    | 1:3              |
|                     | Torque max [Nm]:                                   | 5                |
|                     | Rotation max [1/min]:                              | 15000            |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | IC air           |
|                     | Pressure max [bar]:                                | 10               |
| <b>8 013 24 005</b> | <b>Axial drilling and milling head ER 20 AS</b>    |                  |
|                     | Weight [kg]:                                       | 3.620            |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | Shank size [mm]:                                   | 30.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:                                     | ER 20 A          |
|                     | Gear ratio [i]:                                    | 1:3              |
|                     | Torque max [Nm]:                                   | 6                |
|                     | Rotation max [1/min]:                              | 15500            |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | EXT              |
| <b>8 013 24 016</b> | <b>Axial drilling and milling head ER 20 AX IC</b> |                  |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | Shank size [mm]:                                   | 30.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:                                     | ER 20 A          |
|                     | Gear ratio [i]:                                    | 1:3              |
|                     | Torque max [Nm]:                                   | 5                |
|                     | Rotation max [1/min]:                              | 15000            |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                | 25               |
| <b>8 013 25 000</b> | <b>Axial drilling and milling head ER 25</b>       |                  |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | Shank size [mm]:                                   | 30.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:                                     | ER 25            |
|                     | Gear ratio [i]:                                    | 2:1              |
|                     | Torque max [Nm]:                                   | 32               |
|                     | Rotation max [1/min]:                              | 3000             |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | EXT              |
|                     | Please note:                                       | stronger bearing |

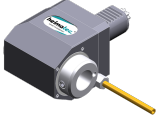
| Part-#              | Name  |                    |
|---------------------|---|--------------------|
| <b>8 013 26 000</b> | <b>Axial drilling and milling head ER 32</b>    |                    |
|                     | Version:  | right              |
|                     | Tool drive:                                     | DIN 5482           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | ER 32              |
|                     | Gear ratio [i]:                                 | 4:1                |
|                     | Torque max [Nm]:                                | 64                 |
|                     | Rotation max [1/min]:                           | 1000               |
|                     | Rotating direction:                             | same               |
|                     | Coolant:  | EXT                |
|                     | Please note:                                    | stronger bearing   |
| <b>8 014 26 000</b> | <b>Axial milling head universal arbor 27</b>    |                    |
|                     | Version:  | right              |
|                     | Tool drive:                                     | DIN 5482           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | Universal arbor 27 |
|                     | Gear ratio [i]:                                 | 4:1                |
|                     | Torque max [Nm]:                                | 64                 |
|                     | Rotation max [1/min]:                           | 1000               |
|                     | Rotating direction:                             | same               |
|                     | Coolant:  | EXT                |
|                     | Please note:                                    | stronger bearing   |
| <b>8 019 24 030</b> | <b>Axial milling head universal arbor 16</b>    |                    |
|                     | Notation:                                       | offset             |
|                     | Version:  | right              |
|                     | Tool drive:                                     | DIN 5482           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | Universal arbor 16 |
|                     | Gear ratio [i]:                                 | 2:1                |
|                     | Torque max [Nm]:                                | 40                 |
|                     | Rotation max [1/min]:                           | 3000               |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:  | EXT                |
|                     | Offset [mm]:                                    | 34,5               |
| <b>8 019 24 035</b> | <b>Axial drilling and milling head ER 20 IC</b> |                    |
|                     | Notation:                                       | offset             |
|                     | Version:  | right              |
|                     | Tool drive:                                     | DIN 5482           |
|                     | Shank size [mm]:                                | 30.00              |
|                     | Shank type:                                     | VDI                |
|                     | Tool adaption:                                  | ER 20              |
|                     | Gear ratio [i]:                                 | 1:3                |
|                     | Torque max [Nm]:                                | 6                  |
|                     | Rotation max [1/min]:                           | 15000              |
|                     | Rotating direction:                             | opposite           |
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                             | 25                 |
|                     | Offset [mm]:                                    | 34,5               |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
| <b>8 019 25 002</b> | <b>Axial drilling and milling head ER 25</b>    |                  |
|                     | Notation:                                       | offset           |
|                     | Version:  | right            |
|                     | Tool drive:                                     | DIN 5482         |
|                     | 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             |
|                     | Rotating direction:                             | opposite         |
|                     | Coolant:  | EXT              |
|                     | Offset [mm]:                                    | 34,5             |
| <b>8 019 25 013</b> | <b>Axial drilling and milling head ER 25</b>    |                  |
|                     | Notation:                                       | offset           |
|                     | Version:  | right            |
|                     | Tool drive:                                     | DIN 5482         |
|                     | Shank size [mm]:                                | 30.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | ER 25            |
|                     | Gear ratio [i]:                                 | 2:1              |
|                     | Torque max [Nm]:                                | 40               |
|                     | Rotation max [1/min]:                           | 3000             |
|                     | Rotating direction:                             | opposite         |
|                     | Coolant:  | EXT              |
|                     | Offset [mm]:                                    | 34,5             |
| <b>8 019 25 014</b> | <b>Axial drilling and milling head ER 25 IC</b> |                  |
|                     | Weight [kg]:                                    | 4.060            |
|                     | Notation:                                       | offset           |
|                     | Tool drive:                                     | DIN 5482         |
|                     | Shank size [mm]:                                | 30.00            |
|                     | Shank type:                                     | VDI              |
|                     | Tool adaption:                                  | ER 25            |
|                     | Gear ratio [i]:                                 | 2:1              |
|                     | Torque max [Nm]:                                | 40               |
|                     | Rotation max [1/min]:                           | 4000             |
|                     | Rotating direction:                             | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                             | 25               |
|                     | Please note:                                    | stronger bearing |
|                     | Offset [mm]:                                    | 34,5             |
| <b>8 019 25 015</b> | <b>Axial drilling and milling head ER 25 IC</b> |                  |
|                     | Notation:                                       | offset           |
|                     | Version:  | right            |
|                     | Tool drive:                                     | DIN 5482         |
|                     | 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             |
|                     | Rotating direction:                             | opposite         |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                             | 25               |
|                     | Offset [mm]:                                    | 34,5             |

| Part-#              | Name   |                    |
|---------------------|--|--------------------|
| <b>8 019 25 019</b> | <b>Axial milling head universal arbor 22</b>     |                    |
|                     | Notation:  | offset             |
|                     | Version:   | right              |
|                     | Tool drive:                                      | DIN 5482           |
|                     | 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>8 030 24 010</b> | <b>Radial drilling and milling head ER 20</b>    |                    |
|                     | Weight [kg]:                                     | 2.500              |
|                     | Version:   | right              |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 20              |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Torque max [Nm]:                                 | 25                 |
|                     | Rotation max [1/min]:                            | 6000               |
|                     | Rotating direction:                              | opposite           |
|                     | Coolant:   | EXT                |
|                     | Center distance [mm]:                            | 54                 |
| <b>8 030 24 026</b> | <b>Radial drilling and milling head ER 20 IC</b> |                    |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 20              |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Coolant:   | IC                 |
|                     | Please note:                                     | IC for air         |
| <b>8 030 24 043</b> | <b>Radial drilling and milling head ER 20 IC</b> |                    |
|                     | Weight [kg]:                                     | 2.760              |
|                     | Version:   | right              |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 20              |
|                     | 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]:                            | 54                 |
| <b>8 030 24 104</b> | <b>Radial drilling and milling head ER 20</b>    |                    |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 20              |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Torque max [Nm]:                                 | 25                 |

| Part-#              | Name   |                        |
|---------------------|--|------------------------|
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | same                   |
|                     | Coolant:   | EXT                    |
|                     | Please note:   | stronger bearing       |
|                     | Center distance [mm]:                                | 54                     |
| <b>8 030 25 001</b> | <b>Radial drilling and milling head ER 25</b>        |                        |
|                     | Weight [kg]:   | 2.550                  |
|                     | Version:   | right                  |
|                     | Tool drive:  | DIN 5482               |
|                     | 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]:                                | 54                     |
| <b>8 030 25 020</b> | <b>Radial drilling and milling head ER 25 IC</b>     |                        |
|                     | Weight [kg]:   | 2.950                  |
|                     | Version:   | right                  |
|                     | Tool drive:  | DIN 5482               |
|                     | 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]:                                | 54                     |
| <b>8 030 25 043</b> | <b>Radial drilling and milling head Weldon 16 IC</b> |                        |
|                     | Weight [kg]:   | 3.180                  |
|                     | Tool drive:  | DIN 5482               |
|                     | Shank size [mm]:                                     | 30.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 16 |
|                     | Gear ratio [i]:                                      | 1:1                    |
|                     | Torque max [Nm]:                                     | 16                     |
|                     | Rotation max [1/min]:                                | 6000                   |
|                     | Rotating direction:                                  | opposite               |
|                     | Coolant:   | IC/Ext                 |
|                     | Center distance [mm]:                                | 54                     |
| <b>8 030 25 044</b> | <b>Radial drilling and milling head ER 25</b>        |                        |
|                     | Weight [kg]:   | 3.420                  |
|                     | Version:   | right                  |
|                     | Tool drive:  | DIN 5482               |
|                     | Shank size [mm]:                                     | 30.00                  |
|                     | Shank type:  | VDI                    |
|                     | Tool adaption:                                       | ER 25                  |
|                     | Gear ratio [i]:                                      | 2:1                    |
|                     | Torque max [Nm]:                                     | 32                     |
|                     | Rotation max [1/min]:                                | 3000                   |

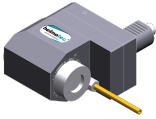
| Part-#              | Name   |                  |
|---------------------|--|------------------|
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                                  | 66               |
| <b>8 030 25 110</b> | <b>Radial drilling and milling head ER 25 IC</b>       |                  |
|                     | Weight [kg]:   | 3.980            |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | Shank size [mm]:                                       | 30.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 25            |
|                     | Gear ratio [i]:  | 2:1              |
|                     | Torque max [Nm]:                                       | 32               |
|                     | Rotation max [1/min]:                                  | 3000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 25               |
|                     | Center distance [mm]:                                  | 66               |
| <b>8 030 25 285</b> | <b>Radial drilling and milling head ER 25 AX UT</b>    |                  |
|                     | Weight [kg]:   | 2.760            |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | 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]:                                  | 54               |
| <b>8 030 25 290</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 2.980            |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | Shank size [mm]:                                       | 30.00            |
|                     | Shank type:  | VDI              |
|                     | Tool adaption:   | ER 25 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 25               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Center distance [mm]:                                  | 54               |
| <b>8 030 26 021</b> | <b>Radial drilling and milling head HT 4 IC</b>        |                  |
|                     | Weight [kg]:   | 2.910            |
|                     | Version:   | right            |
|                     | Tool drive:  | DIN 5482         |
|                     | 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:                              | opposite           |
|   | Coolant:   | IC/Ext             |
|   | Pressure max [bar]:                              | 140                |
|   | Center distance [mm]:                            | 54                 |
| <b>8 030 26 027</b>   | <b>Radial drilling and milling head HT 4</b>     |                    |
|  | Weight [kg]:                                     | 2.520              |
|   | Tool drive:                                      | DIN 5482           |
|   | Shank size [mm]:                                 | 30.00              |
|   | Shank type:                                      | VDI                |
|   | Tool adaption:                                   | HT 4               |
|   | Gear ratio [i]:                                  | 1:1                |
|   | Torque max [Nm]:                                 | 16                 |
|   | Rotation max [1/min]:                            | 6000               |
|   | Rotating direction:                              | opposite           |
|   | Coolant:   | EXT                |
|   | Center distance [mm]:                            | 54                 |
| <b>8 030 26 136</b>   | <b>Radial drilling and milling head ER 32 AX</b> |                    |
|   | Tool drive:                                      | DIN 5482           |
|   | Shank size [mm]:                                 | 30.00              |
|   | Shank type:                                      | VDI                |
|   | Tool adaption:                                   | ER 32 A            |
|   | Gear ratio [i]:                                  | 2:1                |
|   | Torque max [Nm]:                                 | 32                 |
|   | Rotation max [1/min]:                            | 3000               |
|   | Rotating direction:                              | opposite           |
|   | Coolant:   | EXT                |
|   | Please note:                                     | stronger bearing   |
|   | Center distance [mm]:                            | 66                 |
| <b>8 030 26 158</b>   | <b>Radial drilling and milling head ER 32 IC</b> |                    |
|   | Version:   | right              |
|   | Tool drive:                                      | DIN 5482           |
|   | Shank size [mm]:                                 | 30.00              |
|   | Shank type:                                      | VDI                |
|   | Tool adaption:                                   | ER 32              |
|   | 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]:                            | 54                 |
| <b>8 031 24 009</b>   | <b>Radial milling head universal arbor 16</b>    |                    |
|   | Weight [kg]:                                     | 2.520              |
|   | Version:   | right              |
|   | Tool drive:                                      | DIN 5482           |
|   | Shank size [mm]:                                 | 30.00              |
|   | Shank type:                                      | VDI                |
|   | Tool adaption:                                   | Universal arbor 16 |
|   | Gear ratio [i]:                                  | 1:1                |
|   | Torque max [Nm]:                                 | 25                 |
|   | Rotation max [1/min]:                            | 6000               |

| Part-#              | Name   |                    |
|---------------------|--|--------------------|
|                     | Rotating direction:                              | opposite           |
|                     | Coolant:   | EXT                |
|                     | Center distance [mm]:                            | 54                 |
| <b>8 031 25 000</b> | <b>Radial milling head universal arbor 22</b>    |                    |
|                     | Weight [kg]:                                     | 3.040              |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | Universal arbor 22 |
|                     | 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]:                            | 54                 |
| <b>8 031 25 003</b> | <b>Radial milling head universal arbor 22</b>    |                    |
|                     | Weight [kg]:                                     | 3.900              |
|                     | Version:   | right              |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | Universal arbor 22 |
|                     | Gear ratio [i]:                                  | 2:1                |
|                     | Torque max [Nm]:                                 | 32                 |
|                     | Rotation max [1/min]:                            | 3000               |
|                     | Rotating direction:                              | opposite           |
|                     | Coolant:   | EXT                |
|                     | Please note:                                     | stronger bearing   |
|                     | Center distance [mm]:                            | 66                 |
| <b>8 033 24 006</b> | <b>Radial drilling and milling head ER 20</b>    |                    |
|                     | Weight [kg]:                                     | 3.560              |
|                     | Notation:  | offset             |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 20              |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Torque max [Nm]:                                 | 16                 |
|                     | Rotation max [1/min]:                            | 6000               |
|                     | Rotating direction:                              | same               |
|                     | Coolant:   | EXT                |
|                     | Center distance [mm]:                            | 75                 |
| <b>8 033 24 010</b> | <b>Radial drilling and milling head ER 20 IC</b> |                    |
|                     | Weight [kg]:                                     | 4.000              |
|                     | Notation:  | offset             |
|                     | Tool drive:                                      | DIN 5482           |
|                     | Shank size [mm]:                                 | 30.00              |
|                     | Shank type:                                      | VDI                |
|                     | Tool adaption:                                   | ER 20              |
|                     | Gear ratio [i]:                                  | 1:1                |
|                     | Torque max [Nm]:                                 | 25                 |
|                     | Rotation max [1/min]:                            | 8000               |
|                     | Rotating direction:                              | same               |

| Part-#              | Name   |                       |
|---------------------|--|-----------------------|
|                     | Coolant:   | IC/Ext                |
|                     | Pressure max [bar]:                                  | 140                   |
|                     | Please note:   | High pressure version |
|                     | Center distance [mm]:                                | 75                    |
|                     | Offset [mm]:   | 34,5                  |
| <b>8 033 25 001</b> | <b>Radial drilling and milling head ER 25</b>        |                       |
|                     | Weight [kg]:   | 3.640                 |
|                     | Notation:  | offset                |
|                     | Version:   | right                 |
|                     | Tool drive:  | DIN 5482              |
|                     | 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                   |
|                     | Center distance [mm]:                                | 75                    |
|                     | Offset [mm]:   | 34,5                  |
| <b>8 033 25 003</b> | <b>Radial drilling and milling head ER 25 IC air</b> |                       |
|                     | Weight [kg]:   | 4.120                 |
|                     | Notation:  | offset                |
|                     | Version:   | right                 |
|                     | Tool drive:  | DIN 5482              |
|                     | 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                  |
|                     | Rotating direction:                                  | same                  |
|                     | Coolant:   | IC air                |
|                     | Pressure max [bar]:                                  | 10                    |
|                     | Center distance [mm]:                                | 75                    |
| <b>8 033 25 009</b> | <b>Radial drilling and milling head ER 25 IC</b>     |                       |
|                     | Weight [kg]:   | 3.960                 |
|                     | Notation:  | offset                |
|                     | Version:   | right                 |
|                     | Tool drive:  | DIN 5482              |
|                     | 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]:                                | 75                    |
|                     | Offset [mm]:   | 34,5                  |

| Part-#              | Name  |                  |
|---------------------|---|------------------|
| <b>8 033 25 011</b> | <b>Radial drilling and milling head ER 25</b>       |                  |
|                     | Weight [kg]:  | 4.540            |
|                     | Tool drive:   | DIN 5482         |
|                     | Shank size [mm]:                                    | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:                                      | ER 25            |
|                     | Gear ratio [i]:                                     | 2:1              |
|                     | Torque max [Nm]:                                    | 32               |
|                     | Rotation max [1/min]:                               | 3000             |
|                     | Rotating direction:                                 | same             |
|                     | Coolant:  | EXT              |
| <b>8 033 25 021</b> | <b>Radial drilling and milling head ER 25 IC</b>    |                  |
|                     | Notation:   | offset           |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5482         |
|                     | Shank size [mm]:                                    | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:                                      | ER 25            |
|                     | Gear ratio [i]:                                     | 2:1              |
|                     | Torque max [Nm]:                                    | 32               |
|                     | Rotation max [1/min]:                               | 3000             |
|                     | Rotating direction:                                 | same             |
|                     | Coolant:  | IC/Ext           |
|                     | Pressure max [bar]:                                 | 25               |
|                     | Center distance [mm]:                               | 87               |
| <b>8 033 25 087</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:  | 3.870            |
|                     | Notation:   | offset           |
|                     | Version:  | right            |
|                     | Tool drive:   | DIN 5482         |
|                     | 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:  | EXT              |
|                     | Please note:  | stronger bearing |
|                     | Center distance [mm]:                               | 75               |
| <b>8 033 26 000</b> | <b>Radial drilling and milling head ER 32</b>       |                  |
|                     | Weight [kg]:  | 6.460            |
|                     | Notation:   | offset           |
|                     | Tool drive:   | DIN 5482         |
|                     | Shank size [mm]:                                    | 30.00            |
|                     | Shank type:   | VDI              |
|                     | Tool adaption:                                      | ER 32            |
|                     | Gear ratio [i]:                                     | 3,012:1          |
|                     | Torque max [Nm]:                                    | 50               |
|                     | Rotation max [1/min]:                               | 2000             |
|                     | Rotating direction:                                 | same             |
|                     | Coolant:  | EXT              |

| Part-#   | Name   |                  |
|--|--|------------------|
| <b>8 033 26 006</b>  | <b>Radial drilling and milling head ER 32 IC</b> |                  |
|  | Notation:  | offset           |
|  | Version:   | right            |
|  | Tool drive:                                      | DIN 5482         |
|  | Shank size [mm]:                                 | 30.00            |
|  | Shank type:                                      | VDI              |
|  | Tool adaption:                                   | ER 32            |
|  | 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:                                     | stronger bearing |
|  | Center distance [mm]:                            | 75               |
| <b>8 033 26 029</b>  | <b>Radial drilling and milling head HT 4</b>     |                  |
|  | Weight [kg]:                                     | 3.630            |
|  | Notation:  | offset           |
|  | Version:   | right            |
|  | Tool drive:                                      | DIN 5482         |
|  | 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             |
|  | Coolant:   | EXT              |
|  | Center distance [mm]:                            | 75               |
| <b>8 033 26 032</b>  | <b>Radial drilling and milling head HT 4 IC</b>  |                  |
|  | Weight [kg]:                                     | 4.010            |
|  | Notation:  | offset           |
|  | Version:   | right            |
|  | Tool drive:                                      | DIN 5482         |
|  | 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             |
|  | Coolant:   | IC/Ext           |
|  | Pressure max [bar]:                              | 140              |
|  | Center distance [mm]:                            | 75               |
|  | Offset [mm]:                                     | 34,5             |
| <b>8 033 26 068</b>  | <b>Radial drilling and milling head ER 32</b>    |                  |
|  | Weight [kg]:                                     | 4.220            |
|  | Notation:  | offset           |
|  | Version:   | right            |
|  | Tool drive:                                      | DIN 5482         |
|  | Shank size [mm]:                                 | 30.00            |
|  | Shank type:                                      | VDI              |
|  | Tool adaption:                                   | ER 32            |
|  | Gear ratio [i]:                                  | 1:1              |
|  | Torque max [Nm]:                                 | 25               |

| Part-#              | Name   |                                 |
|---------------------|--|---------------------------------|
|                     | Rotation max [1/min]:                                | 6000                            |
|                     | Rotating direction:                                  | same                            |
|                     | Coolant:   | EXT                             |
|                     | Please note:   | stronger bearing                |
|                     | Center distance [mm]:                                | 75                              |
| <b>8 033 27 000</b> | <b>Radial drilling and milling head Weldon 1" IC</b> |                                 |
|                     | Version:   | Special                         |
|                     | Tool drive:  | DIN 5482                        |
|                     | Shank size [mm]:                                     | 30.00                           |
|                     | Shank type:  | VDI                             |
|                     | Tool adaption:                                       | Weldon (DIN 1835 b) 1" (25,4mm) |
|                     | Gear ratio [i]:                                      | 3:1                             |
|                     | Torque max [Nm]:                                     | 50                              |
|                     | Rotation max [1/min]:                                | 2000                            |
|                     | Rotating direction:                                  | same                            |
|                     | Coolant:   | IC/Ext                          |
| <b>8 034 24 009</b> | <b>Radial milling head universal arbor 16</b>        |                                 |
|                     | Weight [kg]:   | 4.820                           |
|                     | Notation:  | offset                          |
|                     | Version:   | right                           |
|                     | Tool drive:  | DIN 5482                        |
|                     | Shank size [mm]:                                     | 30.00                           |
|                     | Shank type:  | VDI                             |
|                     | Tool adaption:                                       | Universal arbor 16              |
|                     | Gear ratio [i]:                                      | 2:1                             |
|                     | Torque max [Nm]:                                     | 32                              |
|                     | Rotation max [1/min]:                                | 3000                            |
|                     | Rotating direction:                                  | same                            |
|                     | Coolant:   | EXT                             |
|                     | Center distance [mm]:                                | 87                              |
| <b>8 034 25 003</b> | <b>Radial milling head universal arbor 22</b>        |                                 |
|                     | Tool drive:  | DIN 5482                        |
|                     | Shank size [mm]:                                     | 30.00                           |
|                     | Shank type:  | VDI                             |
|                     | Tool adaption:                                       | Universal arbor 22              |
|                     | Gear ratio [i]:                                      | 1:1                             |
|                     | Torque max [Nm]:                                     | 16                              |
|                     | Rotation max [1/min]:                                | 6000                            |
|                     | Rotating direction:                                  | same                            |
|                     | Coolant:   | EXT                             |
|                     | Please note:   | stronger bearing                |
| <b>8 037 29 023</b> | <b>Radial disk mill head shaft diameter 10-22</b>    |                                 |
|                     | Weight [kg]:   | 9.280                           |
|                     | Tool drive:  | DIN 5482                        |
|                     | Shank size [mm]:                                     | 30.00                           |
|                     | Shank type:  | VDI                             |
|                     | Tool adaption:                                       | Interchangeable arbor           |
|                     | Gear ratio [i]:                                      | 3:1                             |
|                     | Torque max [Nm]:                                     | 50                              |
|                     | Rotation max [1/min]:                                | 2000                            |
|                     | Rotating direction:                                  | opposite                        |
|                     | Coolant:   | EXT                             |
|                     | Please note:   | Price without arbor             |

| Part-#              | Name  |                       |
|---------------------|---|-----------------------|
| <b>8 037 29 024</b> | <b>Radial disk mill head shaft diameter 10-22</b> |                       |
|                     | Tool drive:                                       | DIN 5482              |
|                     | Shank size [mm]:                                  | 30.00                 |
|                     | Shank type:                                       | VDI                   |
|                     | Tool adaption:                                    | Interchangeable arbor |
|                     | Gear ratio [i]:                                   | 3:1                   |
|                     | Torque max [Nm]:                                  | 50                    |
|                     | Rotation max [1/min]:                             | 2000                  |
|                     | Rotating direction:                               | opposite              |
|                     | Coolant:  | EXT                   |
|                     | Please note:                                      | Price without arbor   |
| <b>8 037 29 025</b> | <b>Radial disk mill head shaft diameter 10-22</b> |                       |
|                     | Tool drive:                                       | DIN 5482              |
|                     | Shank size [mm]:                                  | 30.00                 |
|                     | Shank type:                                       | VDI                   |
|                     | Tool adaption:                                    | Interchangeable arbor |
|                     | Gear ratio [i]:                                   | 3:1                   |
|                     | Torque max [Nm]:                                  | 50                    |
|                     | Rotation max [1/min]:                             | 2000                  |
|                     | Rotating direction:                               | opposite              |
|                     | Coolant:  | EXT                   |
|                     | Please note:                                      | Price without arbor   |
| <b>8 037 29 034</b> | <b>Radial disk mill head shaft diameter 10-22</b> |                       |
|                     | Weight [kg]:                                      | 9.280                 |
|                     | Tool drive:                                       | DIN 5482              |
|                     | Shank size [mm]:                                  | 30.00                 |
|                     | Shank type:                                       | VDI                   |
|                     | Tool adaption:                                    | Interchangeable arbor |
|                     | Gear ratio [i]:                                   | 3:1                   |
|                     | Torque max [Nm]:                                  | 50                    |
|                     | Rotation max [1/min]:                             | 2000                  |
|                     | Rotating direction:                               | opposite              |
|                     | Coolant:  | EXT                   |
|                     | Please note:                                      | Price without arbor   |
| <b>8 038 24 004</b> | <b>Radial drilling and milling head ER 20</b>     |                       |
|                     | Weight [kg]:                                      | 4.200                 |
|                     | Notation:   | Y-axes adjustable     |
|                     | Tool drive:                                       | DIN 5482              |
|                     | Shank size [mm]:                                  | 30.00                 |
|                     | Shank type:                                       | VDI                   |
|                     | Tool adaption:                                    | ER 20                 |
|                     | Gear ratio [i]:                                   | 1:1                   |
|                     | Torque max [Nm]:                                  | 16                    |
|                     | Rotation max [1/min]:                             | 6000                  |
|                     | Rotating direction:                               | same                  |
|                     | Coolant:  | EXT                   |
| <b>8 038 24 005</b> | <b>Radial drilling and milling head ER 20</b>     |                       |
|                     | Tool drive:                                       | DIN 5482              |
|                     | Shank size [mm]:                                  | 30.00                 |
|                     | Shank type:                                       | VDI                   |
|                     | Tool adaption:                                    | ER 20                 |
|                     | Gear ratio [i]:                                   | 1:1                   |
|                     | Torque max [Nm]:                                  | 16                    |
|                     | Rotation max [1/min]:                             | 5000                  |

| Part-#              | Name   |                   |
|---------------------|--|-------------------|
|                     | Rotating direction:                                | opposite          |
|                     | Coolant:   | EXT               |
|                     | Please note:                                       | Special version   |
| <b>8 038 25 000</b> | <b>Radial drilling and milling head ER 25</b>      |                   |
|                     | Weight [kg]:                                       | 4.260             |
|                     | Notation:  | Y-axes adjustable |
|                     | Version:   | right             |
|                     | Tool drive:  | DIN 5482          |
|                     | 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]:                              | 5000              |
|                     | Rotating direction:                                | same              |
|                     | Coolant:   | EXT               |
| <b>8 038 25 003</b> | <b>Radial drilling and milling head ER 25</b>      |                   |
|                     | Notation:  | Y-axes adjustable |
|                     | Tool drive:  | DIN 5482          |
|                     | 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]:                              | 5000              |
|                     | Rotating direction:                                | same              |
|                     | Coolant:   | EXT               |
| <b>8 039 24 010</b> | <b>Radial drilling and milling head ER 20 AX</b>   |                   |
|                     | Weight [kg]:                                       | 5.360             |
|                     | Notation:  | 135° angle        |
|                     | Version:   | Special           |
|                     | Tool drive:  | DIN 5482          |
|                     | Shank size [mm]:                                   | 30.00             |
|                     | Shank type:  | VDI               |
|                     | Tool adaption:                                     | ER 20 A           |
|                     | Gear ratio [i]:                                    | 1:1               |
|                     | Torque max [Nm]:                                   | 16                |
|                     | Rotation max [1/min]:                              | 6000              |
|                     | Rotating direction:                                | opposite          |
|                     | Coolant:   | EXT               |
| <b>8 040 25 027</b> | <b>Universal head ± 90° adjustable ER 25 AX UT</b> |                   |
|                     | Tool drive:  | DIN 5482          |
|                     | 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]:                              | 87                |

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

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