

Goodway  
**GS 230 M/MS**



# 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

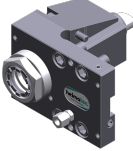
Digital tool management

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| Part-#              | Name   |                  |
|---------------------|--|------------------|
| <b>8 010 34 012</b> | <b>Axial drilling and milling head ER 20 IC</b>    |                  |
|                     | Weight [kg]:                                       | 5.640            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                   | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:                                     | ER 20            |
|                     | Gear ratio [i]:                                    | 1:1              |
|                     | Torque max [Nm]:                                   | 50               |
|                     | Rotation max [1/min]:                              | 6000             |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                | 25               |
| <b>8 010 35 014</b> | <b>Axial drilling and milling head ER 25 AX UT</b> |                  |
|                     | Weight [kg]:                                       | 5.290            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                   | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:                                     | ER 25 A - u-tec  |
|                     | Gear ratio [i]:                                    | 1:1              |
|                     | Torque max [Nm]:                                   | 50               |
|                     | Rotation max [1/min]:                              | 12000            |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | EXT              |
|                     | Please note:                                       | stronger bearing |
| <b>8 010 36 000</b> | <b>Axial drilling and milling head ER 32 IC</b>    |                  |
|                     | Weight [kg]:                                       | 5.560            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                   | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:                                     | ER 32            |
|                     | Gear ratio [i]:                                    | 1:1              |
|                     | Torque max [Nm]:                                   | 50               |
|                     | Rotation max [1/min]:                              | 6000             |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                | 25               |
| <b>8 010 36 001</b> | <b>Axial drilling and milling head ER 32</b>       |                  |
|                     | Weight [kg]:                                       | 5.520            |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                   | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:                                     | ER 32            |
|                     | Gear ratio [i]:                                    | 1:1              |
|                     | Torque max [Nm]:                                   | 50               |
|                     | Rotation max [1/min]:                              | 8000             |
|                     | Rotating direction:                                | same             |
|                     | Coolant:   | EXT              |

| Part-#  | Name                  |   |
|---|-----------------------|---|
|  | <b>8 010 36 007</b>   | <b>Axial drilling and milling head ER 32 AX UT</b>    |
|   | Weight [kg]:          | 5.470   |
|   | Tool drive:           | Flat (~DIN 1809)                                      |
|   | Shank size [mm]:      | 32.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | ER 32 A - u-tec                                       |
|   | Gear ratio [i]:       | 1:1   |
|   | Torque max [Nm]:      | 50  |
|   | Rotation max [1/min]: | 8000  |
|   | Rotating direction:   | same  |
|   | Coolant:              | EXT   |
|   | Please note:          | stronger bearing                                      |
|   |                       | <b>8 010 36 008</b>                                   |
| Tool drive:   |                       | Flat (~DIN 1809)                                      |
| Shank size [mm]:  |                       | 32.00   |
| Shank type:   |                       | BMT   |
| Tool adaption:  |                       | ER 32   |
| Gear ratio [i]:   |                       | 1:1   |
| Torque max [Nm]:  |                       | 50  |
| Rotation max [1/min]:   |                       | 6000  |
| Rotating direction:   |                       | same  |
| Coolant:  |                       | IC/Ext  |
| Pressure max [bar]:   |                       | 25  |
| Please note:  |                       | Combi bearing   |
|   |                       | <b>8 010 36 009</b>                                   |
|   | Weight [kg]:          | 5.550   |
|   | Tool drive:           | Flat (~DIN 1809)                                      |
|   | Shank size [mm]:      | 32.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | ER 32 A - u-tec                                       |
|   | Gear ratio [i]:       | 1:1   |
|   | Torque max [Nm]:      | 50  |
|   | Rotation max [1/min]: | 6000  |
|   | Rotating direction:   | same  |
|   | Coolant:              | IC/Ext  |
|   | Pressure max [bar]:   | 25  |
|   | Please note:          | stronger bearing                                      |
|   | <b>8 010 36 016</b>   | <b>Axial drilling and milling head ER 32 AX UT IC</b> |
|   | Weight [kg]:          | 5.500   |
|   | Tool drive:           | Flat (~DIN 1809)                                      |
|   | Shank size [mm]:      | 32.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | ER 32 A - u-tec                                       |
|   | Gear ratio [i]:       | 1:1   |
|   | Torque max [Nm]:      | 50  |
|   | Rotation max [1/min]: | 12000   |
|   | Rotating direction:   | same  |
|   | Coolant:              | IC/Ext  |
|   | Pressure max [bar]:   | 25  |
|   | Please note:          | stronger bearing                                      |

| Part-#              | Name  |                    |
|---------------------|---|--------------------|
| <b>8 010 37 000</b> | <b>Axial drilling and milling head HT 5</b>     |                    |
|                     | Weight [kg]:                                    | 5.510              |
|                     | Tool drive:                                     | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                | 32.00              |
|                     | Shank type:                                     | BMT                |
|                     | Tool adaption:                                  | HT 5               |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 50                 |
|                     | Rotation max [1/min]:                           | 8000               |
|                     | Rotating direction:                             | same               |
|                     | Coolant:  | EXT                |
| <b>8 010 37 001</b> | <b>Axial drilling and milling head HT 5 IC</b>  |                    |
|                     | Weight [kg]:                                    | 5.530              |
|                     | Tool drive:                                     | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                | 32.00              |
|                     | Shank type:                                     | BMT                |
|                     | Tool adaption:                                  | HT 5               |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 50                 |
|                     | Rotation max [1/min]:                           | 6000               |
|                     | Rotating direction:                             | same               |
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                             | 25                 |
| <b>8 010 37 002</b> | <b>Axial drilling and milling head ER 40 IC</b> |                    |
|                     | Weight [kg]:                                    | 5.800              |
|                     | Tool drive:                                     | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                | 32.00              |
|                     | Shank type:                                     | BMT                |
|                     | Tool adaption:                                  | ER 40              |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 50                 |
|                     | Rotation max [1/min]:                           | 6000               |
|                     | Rotating direction:                             | same               |
|                     | Coolant:  | IC/Ext             |
|                     | Pressure max [bar]:                             | 25                 |
| <b>8 011 34 004</b> | <b>Axial milling head universal arbor 16</b>    |                    |
|                     | Weight [kg]:                                    | 5.470              |
|                     | Tool drive:                                     | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                | 32.00              |
|                     | Shank type:                                     | BMT                |
|                     | Tool adaption:                                  | Universal arbor 16 |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 50                 |
|                     | Rotation max [1/min]:                           | 6000               |
|                     | Rotating direction:                             | same               |
|                     | Coolant:  | EXT                |
| <b>8 011 35 000</b> | <b>Axial milling head universal arbor 22</b>    |                    |
|                     | Weight [kg]:                                    | 5.580              |
|                     | Tool drive:                                     | Flat (~DIN 1809)   |
|                     | Shank size [mm]:                                | 32.00              |
|                     | Shank type:                                     | BMT                |
|                     | Tool adaption:                                  | Universal arbor 22 |
|                     | Gear ratio [i]:                                 | 1:1                |
|                     | Torque max [Nm]:                                | 50                 |

| Part-#              | Name   |                           |
|---------------------|--|---------------------------|
|                     | Rotation max [1/min]:                                  | 6000                      |
|                     | Rotating direction:                                    | same                      |
|                     | Coolant:   | EXT                       |
| <b>8 030 34 005</b> | <b>Radial drilling and milling head ER 20</b>          |                           |
|                     | Weight [kg]:   | 10.680                    |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 20                     |
|                     | Gear ratio [i]:  | 1:3                       |
|                     | Torque max [Nm]:                                       | 8                         |
|                     | Rotation max [1/min]:                                  | 12000                     |
|                     | Rotating direction:                                    | opposite                  |
|                     | Coolant:   | EXT                       |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 34 012</b> | <b>Radial drilling and milling head ER 20 IC</b>       |                           |
|                     | Employment for:  | Main spindle              |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 20                     |
|                     | Gear ratio [i]:  | 1:1                       |
|                     | Torque max [Nm]:                                       | 50                        |
|                     | Rotation max [1/min]:                                  | 6000                      |
|                     | Rotating direction:                                    | opposite                  |
|                     | Coolant:   | IC/Ext                    |
|                     | Pressure max [bar]:                                    | 25                        |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 34 013</b> | <b>Radial drilling and milling head ER 20 IC</b>       |                           |
|                     | Employment for:  | Sub spindle               |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 20                     |
|                     | Gear ratio [i]:  | 1:1                       |
|                     | Torque max [Nm]:                                       | 50                        |
|                     | Rotation max [1/min]:                                  | 6000                      |
|                     | Rotating direction:                                    | same                      |
|                     | Coolant:   | IC/Ext                    |
|                     | Pressure max [bar]:                                    | 25                        |
|                     | Please note:   | note center distance 55 ! |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 35 014</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                           |
|                     | Weight [kg]:   | 10.320                    |
|                     | Employment for:  | Sub spindle               |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 25 A - u-tec           |
|                     | Gear ratio [i]:  | 1:2                       |
|                     | Torque max [Nm]:                                       | 16                        |
|                     | Rotation max [1/min]:                                  | 12000                     |
|                     | Rotating direction:                                    | opposite                  |
|                     | Coolant:   | IC/Ext                    |

| Part-#              | Name   |                           |
|---------------------|--|---------------------------|
|                     | Pressure max [bar]:                                    | 140                       |
|                     | Please note:   | note center distance 55 ! |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 35 027</b> | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                           |
|                     | Weight [kg]:   | 10.350                    |
|                     | Employment for:  | Main spindle              |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 25 A - u-tec           |
|                     | Gear ratio [i]:  | 1:2                       |
|                     | Torque max [Nm]:                                       | 16                        |
|                     | Rotation max [1/min]:                                  | 12000                     |
|                     | Rotating direction:                                    | opposite                  |
|                     | Coolant:   | IC/Ext                    |
|                     | Pressure max [bar]:                                    | 140                       |
|                     | Please note:   | note center distance 55 ! |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 35 028</b> | <b>Radial drilling and milling head ER 25 AX UT</b>    |                           |
|                     | Weight [kg]:   | 9.970                     |
|                     | Employment for:  | Main spindle              |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 25 A - u-tec           |
|                     | Gear ratio [i]:  | 1:2                       |
|                     | Torque max [Nm]:                                       | 16                        |
|                     | Rotation max [1/min]:                                  | 12000                     |
|                     | Rotating direction:                                    | opposite                  |
|                     | Coolant:   | EXT                       |
|                     | Please note:   | note center distance 55 ! |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 36 001</b> | <b>Radial drilling and milling head ER 32</b>          |                           |
|                     | Weight [kg]:   | 10.320                    |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 32                     |
|                     | Gear ratio [i]:  | 1:1                       |
|                     | Torque max [Nm]:                                       | 50                        |
|                     | Rotation max [1/min]:                                  | 12000                     |
|                     | Rotating direction:                                    | opposite                  |
|                     | Coolant:   | EXT                       |
|                     | Center distance [mm]:                                  | 55                        |
| <b>8 030 36 005</b> | <b>Radial drilling and milling head ER 32</b>          |                           |
|                     | Weight [kg]:   | 10.310                    |
|                     | Tool drive:  | Flat (~DIN 1809)          |
|                     | Shank size [mm]:                                       | 32.00                     |
|                     | Shank type:  | BMT                       |
|                     | Tool adaption:   | ER 32                     |
|                     | Gear ratio [i]:  | 2:1                       |
|                     | Torque max [Nm]:                                       | 63                        |
|                     | Rotation max [1/min]:                                  | 3000                      |
|                     | Rotating direction:                                    | opposite                  |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                                  | 55               |
| <b>8 030 36 011</b> | <b>Radial drilling and milling head ER 32 AX UT</b>    |                  |
|                     | Weight [kg]:   | 10.240           |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | ER 32 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 12000            |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | EXT              |
|                     | Center distance [mm]:                                  | 55               |
| <b>8 030 36 012</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 10.470           |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | ER 32 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Center distance [mm]:                                  | 55               |
| <b>8 030 36 021</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 10.450           |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | ER 32 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 12000            |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Center distance [mm]:                                  | 55               |
| <b>8 030 37 001</b> | <b>Radial drilling and milling head HT 5 IC</b>        |                  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 32.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | HT 5             |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 6000             |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Center distance [mm]:                                  | 55               |

| Part-#              | Name  |                                 |
|---------------------|---|---------------------------------|
| <b>8 030 37 007</b> | <b>Radial drilling and milling head Weldon 1"</b>   |                                 |
|                     | Weight [kg]:  | 10.890                          |
|                     | Tool drive:   | Flat (~DIN 1809)                |
|                     | Shank size [mm]:                                    | 32.00                           |
|                     | Shank type:   | BMT                             |
|                     | Tool adaption:                                      | Weldon (DIN 1835 b) 1" (25,4mm) |
|                     | Gear ratio [i]:                                     | 2:1                             |
|                     | Torque max [Nm]:                                    | 63                              |
|                     | Rotation max [1/min]:                               | 3000                            |
|                     | Rotating direction:                                 | opposite                        |
|                     | Coolant:  | EXT                             |
|                     | Center distance [mm]:                               | 55                              |
| <b>8 031 36 000</b> | <b>Radial polygon head arbor 27</b>                 |                                 |
|                     | Weight [kg]:  | 10.860                          |
|                     | Employment for:                                     | Main spindle                    |
|                     | Tool drive:   | Flat (~DIN 1809)                |
|                     | Shank size [mm]:                                    | 32.00                           |
|                     | Shank type:   | BMT                             |
|                     | Tool adaption:                                      | Polygon arbor 27                |
|                     | Gear ratio [i]:                                     | 1:1                             |
|                     | Torque max [Nm]:                                    | 50                              |
|                     | Rotation max [1/min]:                               | 6000                            |
|                     | Rotating direction:                                 | opposite                        |
|                     | Coolant:  | EXT                             |
|                     | Please note:  | stronger bearing                |
| <b>8 037 34 001</b> | <b>Woodruff keycutter ER 20 AX</b>                  |                                 |
|                     | Tool drive:   | Flat (~DIN 1809)                |
|                     | Shank size [mm]:                                    | 32.00                           |
|                     | Shank type:   | BMT                             |
|                     | Tool adaption:                                      | ER 20 A                         |
|                     | Gear ratio [i]:                                     | 1,333:1                         |
|                     | Torque max [Nm]:                                    | 32                              |
|                     | Rotation max [1/min]:                               | 4000                            |
|                     | Rotating direction:                                 | opposite                        |
|                     | Coolant:  | EXT                             |
|                     | Center distance [mm]:                               | 75                              |
|                     | Offset [mm]:  | 8                               |
| <b>8 039 35 004</b> | <b>Radial drilling and milling head ER 25 AX UT</b> |                                 |
|                     | Weight [kg]:  | 10.480                          |
|                     | Version:  | double spindle                  |
|                     | Tool drive:   | Flat (~DIN 1809)                |
|                     | Shank size [mm]:                                    | 32.00                           |
|                     | Shank type:   | BMT                             |
|                     | Tool adaption:                                      | ER 25 u-tec                     |
|                     | Gear ratio [i]:                                     | 1:1                             |
|                     | Torque max [Nm]:                                    | 50                              |
|                     | Rotation max [1/min]:                               | 12000                           |
|                     | Rotating direction:                                 | same/opposite                   |
|                     | Coolant:  | EXT                             |
|                     | Center distance [mm]:                               | 55                              |

| Part-#              | Name   |                   |
|---------------------|--|-------------------|
| <b>8 039 36 002</b> | <b>Radial drilling and milling head ER 32 AX UT</b>    |                   |
|                     | Weight [kg]:   | 10.710            |
|                     | Version:   | double spindle    |
|                     | Tool drive:  | Flat (~DIN 1809)  |
|                     | Shank size [mm]:                                       | 32.00             |
|                     | Shank type:  | BMT               |
|                     | Tool adaption:   | ER 32 u-tec       |
|                     | Gear ratio [i]:  | 1:1               |
|                     | Torque max [Nm]:                                       | 50                |
|                     | Rotation max [1/min]:                                  | 12000             |
|                     | Rotating direction:                                    | same/opposite     |
|                     | Coolant:   | EXT               |
|                     | Center distance [mm]:                                  | 55                |
| <b>8 039 36 004</b> | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                   |
|                     | Version:   | double spindle    |
|                     | Tool drive:  | Flat (~DIN 1809)  |
|                     | Shank size [mm]:                                       | 32.00             |
|                     | Shank type:  | BMT               |
|                     | Tool adaption:   | ER 32 u-tec       |
|                     | Gear ratio [i]:  | 1:1               |
|                     | Torque max [Nm]:                                       | 50                |
|                     | Rotation max [1/min]:                                  | 10000             |
|                     | Rotating direction:                                    | same/opposite     |
|                     | Coolant:   | IC/Ext            |
|                     | Pressure max [bar]:                                    | 70                |
|                     | Please note:   | stronger bearing  |
|                     | Center distance [mm]:                                  | 55                |
| <b>8 040 34 007</b> | <b>Universal head + 99°/-77° adj. ER16 AX UT</b>       |                   |
|                     | Weight [kg]:   | 6.890             |
|                     | Tool drive:  | Flat (~DIN 1809)  |
|                     | Shank size [mm]:                                       | 32.00             |
|                     | Shank type:  | BMT               |
|                     | Tool adaption:   | ER 16 A - u-tec   |
|                     | Gear ratio [i]:  | 1:1               |
|                     | Torque max [Nm]:                                       | 20                |
|                     | Rotation max [1/min]:                                  | 6000              |
|                     | Rotating direction:                                    | opposite          |
|                     | Coolant:   | EXT               |
|                     | Please note:   | Note swivel range |
|                     | Center distance [mm]:                                  | 34                |
| <b>8 040 34 010</b> | <b>Universal head + 99°/-77° adj. ER16AX UTIK</b>      |                   |
|                     | Weight [kg]:   | 6.920             |
|                     | Tool drive:  | Flat (~DIN 1809)  |
|                     | Shank size [mm]:                                       | 32.00             |
|                     | Shank type:  | BMT               |
|                     | Tool adaption:   | ER 16 A - u-tec   |
|                     | Gear ratio [i]:  | 1:2               |
|                     | Torque max [Nm]:                                       | 12                |
|                     | Rotation max [1/min]:                                  | 12000             |
|                     | Rotating direction:                                    | opposite          |
|                     | Coolant:   | IC/Ext            |
|                     | Pressure max [bar]:                                    | 25                |
|                     | Please note:   | Note swivel range |
|                     | Center distance [mm]:                                  | 34                |

| Part-#              | Name   |                         |
|---------------------|--|-------------------------|
| <b>8 040 34 011</b> | <b>Universal head + 99°/-77° adj. ER20 AX UT</b> |                         |
|                     | Weight [kg]:                                     | 7.070                   |
|                     | Tool drive:                                      | Flat (~DIN 1809)        |
|                     | Shank size [mm]:                                 | 32.00                   |
|                     | Shank type:                                      | BMT                     |
|                     | Tool adaption:                                   | ER 20 A - u-tec         |
|                     | Gear ratio [i]:                                  | 1:1                     |
|                     | Torque max [Nm]:                                 | 20                      |
|                     | Rotation max [1/min]:                            | 6000                    |
|                     | Rotating direction:                              | opposite                |
|                     | Coolant:   | EXT                     |
|                     | Please note:                                     | Note swivel range       |
|                     | Center distance [mm]:                            | 34                      |
| <b>8 053 34 014</b> | <b>Multispindle radial head ER 16 AX UT</b>      |                         |
|                     | Weight [kg]:                                     | 9.860                   |
|                     | Employment for:                                  | Main spindle            |
|                     | Version:   | 2-spindles              |
|                     | Tool drive:                                      | Flat (~DIN 1809)        |
|                     | Shank size [mm]:                                 | 32.00                   |
|                     | Shank type:                                      | BMT                     |
|                     | Tool adaption:                                   | ER 16 A - u-tec         |
|                     | Gear ratio [i]:                                  | 1:2                     |
|                     | Torque max [Nm]:                                 | 25/Sp.                  |
|                     | Rotation max [1/min]:                            | 12000                   |
|                     | Rotating direction:                              | same                    |
|                     | Coolant:   | EXT                     |
|                     | Please note:                                     | Check applicability     |
|                     | Center distance [mm]:                            | 55                      |
| <b>8 202 20 013</b> | <b>Basic holder longitudinal seat FN 12</b>      |                         |
|                     | Weight [kg]:                                     | 1.750                   |
|                     | Shank type:                                      | BMT                     |
|                     | Machine adaption:                                | Centering key slot b 25 |
|                     | Tool adaption:                                   | Interface FN 12         |
|                     | Coolant:   | EXT                     |
|                     | Center distance [mm]:                            | 7                       |
| <b>8 224 25 000</b> | <b>Universal turning holder sq. 25</b>           |                         |
|                     | Weight [kg]:                                     | 3.560                   |
|                     | Shank type:                                      | BMT                     |
|                     | Machine adaption:                                | Centering key slot b 25 |
|                     | Tool adaption:                                   | Sq. 25                  |
|                     | Coolant:   | EXT                     |
| <b>8 224 25 001</b> | <b>Universal turning holder sq. 25</b>           |                         |
|                     | Weight [kg]:                                     | 4.760                   |
|                     | Shank type:                                      | BMT                     |
|                     | Machine adaption:                                | Centering key slot b 25 |
|                     | Tool adaption:                                   | Sq. 25                  |
|                     |  | Sq. 25                  |
|                     | Coolant:   | EXT                     |
|                     | Please note:                                     | long version            |

| Part-#              | Name                                      |                         |
|---------------------|---|-------------------------|
| <b>8 240 29 002</b> | <b>Boring bar holder Ø 40</b>             |                         |
|                     | Weight [kg]:                              | 3.920                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 25 |
|                     | Tool adaption:                            | Ø 40                    |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Center distance [mm]:                     | 40                      |
| <b>8 240 29 007</b> | <b>Boring bar holder Ø 40</b>             |                         |
|                     | Weight [kg]:                              | 6.180                   |
|                     | Version:                                  | long                    |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 25 |
|                     | Tool adaption:                            | Ø 40                    |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Center distance [mm]:                     | 40                      |
| <b>8 240 29 021</b> | <b>Boring bar holder Ø 50</b>             |                         |
|                     | Weight [kg]:                              | 5.330                   |
|                     | Version:                                  | long version            |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 25 |
|                     | Tool adaption:                            | Ø 50                    |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Center distance [mm]:                     | 40                      |
| <b>8 244 25 000</b> | <b>Combi facing holder sq. 25</b>         |                         |
|                     | Weight [kg]:                              | 5.900                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 25 |
|                     | Tool adaption:                            | Sq. 25                  |
|                     | Coolant:                                  | EXT                     |
|                     | Please note:                              | long version            |
| <b>8 251 25 002</b> | <b>Combi double turning holder sq. 25</b> |                         |
|                     | Weight [kg]:                              | 5.290                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 25 |
|                     | Tool adaption:                            | Sq. 25<br>Sq. 25        |
|                     | Coolant:                                  | EXT                     |
| <b>8 253 28 001</b> | <b>Double boring bar holder Ø 32</b>      |                         |
|                     | Weight [kg]:                              | 5.680                   |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 25 |
|                     | Tool adaption:                            | Ø 32<br>Ø 32            |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Center distance [mm]:                     | 40/85                   |

| Part-#              | Name                                     |                         |
|---------------------|--|-------------------------|
| <b>8 253 28 006</b> | <b>Double boring bar holder Ø 1 1/4"</b> |                         |
|                     | Weight [kg]:                             | 5.710                   |
|                     | Employment for:                          | Main- and sub spindle   |
|                     | Shank type:                              | BMT                     |
|                     | Machine adaption:                        | Centering key slot b 25 |
|                     | Tool adaption:                           | Ø 1 1/4" (31,75mm)      |
|                     |  | Ø 1 1/4" (31,75mm)      |
|                     | Coolant:                                 | IC/Ext                  |
|                     | Center distance [mm]:                    | 40/85                   |
| <b>8 253 28 009</b> | <b>Multiple boring bar holder Ø 32</b>   |                         |
|                     | Weight [kg]:                             | 7.930                   |
|                     | Employment for:                          | Main- and sub spindle   |
|                     | Version:                                 | double spindle          |
|                     | Shank type:                              | BMT                     |
|                     | Machine adaption:                        | Centering key slot b 25 |
|                     | Tool adaption:                           | Ø 32                    |
|                     |  | Ø 32                    |
|                     |  | Ø 32                    |
|                     |  | Ø 32                    |
|                     | Coolant:                                 | IC/Ext                  |
|                     | Center distance [mm]:                    | 40/ 85                  |



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