

Goodway  
**GA 2000 M/MS -  
BMT 32**



# 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

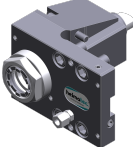
Digital tool management

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

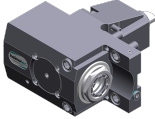
| Part-#              | Name                                                   |                           |
|---------------------|--------------------------------------------------------|---------------------------|
|                     | Rotation max [1/min]:                                  | 6000                      |
|                     | 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<br>Please note: note center distance 55 !<br>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<br>Employment for: Main spindle<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 32.00<br>Shank type: BMT<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: note center distance 55 !<br>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<br>Employment for: Main spindle<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 32.00<br>Shank type: BMT<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: EXT<br>Please note: note center distance 55 !<br>Center distance [mm]: 55                                |
| <b>8 030 36 001</b> | <b>Radial drilling and milling head ER 32</b>                                                                                                                                                                                                                                                                                                                                                       |
|                     | Weight [kg]: 10.320<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 32.00<br>Shank type: BMT<br>Tool adaption: ER 32<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 50<br>Rotation max [1/min]: 12000<br>Rotating direction: opposite<br>Coolant: EXT<br>Center distance [mm]: 55                                                                                                                   |
| <b>8 030 36 005</b> | <b>Radial drilling and milling head ER 32</b>                                                                                                                                                                                                                                                                                                                                                       |
|                     | Weight [kg]: 10.310<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 32.00<br>Shank type: BMT<br>Tool adaption: ER 32<br>Gear ratio [i]: 2:1<br>Torque max [Nm]: 63<br>Rotation max [1/min]: 3000<br>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]:                                    | 80                |
|                                                                                   | 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>8 224 25 014</b>                                                               | <b>Universal turning holder sq. 25 IC</b> |                         |
|  | Shank type:                               | BMT                     |
|                                                                                   | Machine adaption:                         | Centering key b 18      |
|                                                                                   | Tool adaption:                            | Sq. 25                  |
|                                                                                   |                                           | Sq. 25                  |
|                                                                                   | Coolant:                                  | IC/Ext                  |
|                                                                                   | Pressure max [bar]:                       | 100                     |
|                                                                                   | Please note:                              | Key rail                |
| <b>8 224 25 015</b>                                                               | <b>Universal turning holder sq. 25 IC</b> |                         |
|  | Shank type:                               | BMT                     |
|                                                                                   | Machine adaption:                         | Centering key b 18      |
|                                                                                   | Tool adaption:                            | Sq. 25                  |
|                                                                                   |                                           | Sq. 25                  |
|                                                                                   | Coolant:                                  | IC/Ext                  |
|                                                                                   | Pressure max [bar]:                       | 100                     |
|                                                                                   | Please note:                              | long version, key rail  |
| <b>8 240 28 067</b>                                                               | <b>Boring bar holder Ø 32 - slotted</b>   |                         |
|                                                                                   | Weight [kg]:                              | 5.240                   |
|                                                                                   | Version:                                  | long; slotted           |
|                                                                                   | Shank type:                               | BMT                     |
|                                                                                   | Machine adaption:                         | Centering key slot b 25 |
|                                                                                   | Tool adaption:                            | Ø 32                    |
|                                                                                   | Coolant:                                  | EXT                     |
|                                                                                   | Center distance [mm]:                     | 40                      |
| <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                      |

| Part-#              | Name                                              |
|---------------------|---------------------------------------------------|
| <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                             |
|                     | Coolant: Sq. 25                                   |
|                     | 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                               |
|                     | Ø 32                                              |
|                     | Coolant: IC/Ext                                   |
|                     | Center distance [mm]: 40/85                       |
| <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                      |
| <b>8 320 23 016</b> | <b>Cut-off holder, height adjustable SH 32 IC</b> |
|                     | Weight [kg]: 2.360                                |
|                     | Shank type: BMT                                   |
|                     | Machine adaption: Centering key slot b 25         |
|                     | Tool adaption: Clampschaft SH 32                  |
|                     | Coolant: IC/Ext                                   |
|                     | Pressure max [bar]: 70                            |



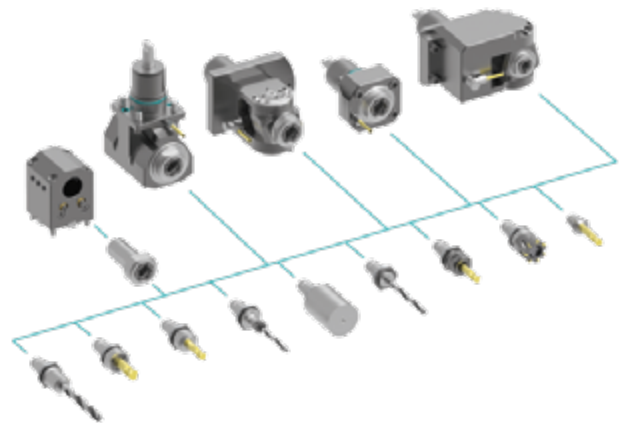
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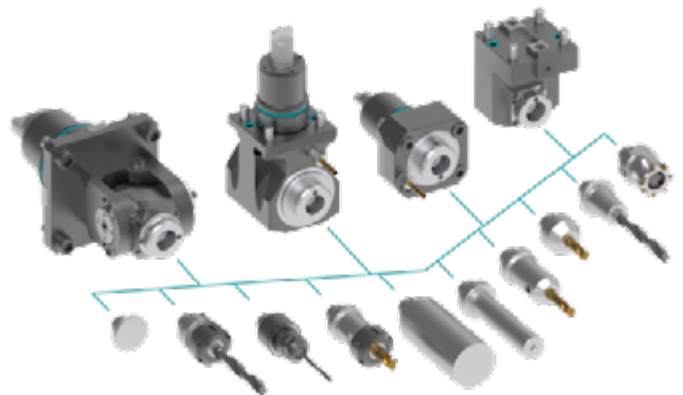
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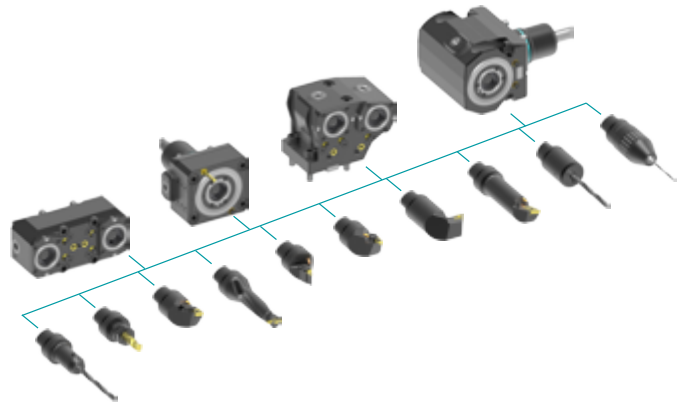
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