

Miyano

**BNJ 42 S/SY -**

**Kegelrad**



# 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 44 031</b>                                                                 | <b>Axial drilling and milling head ER 20 M IC</b> |                        |
|                                                                                     | Weight [kg]:                                      | 2.770                  |
|                                                                                     | Tool drive:                                       | Bevel gear             |
|                                                                                     | Shank size [mm]:                                  | 45.00                  |
|                                                                                     | Shank type:                                       | BMT                    |
|                                                                                     | Tool adaption:                                    | ER 20 M                |
|                                                                                     | Gear ratio [i]:                                   | 1:1                    |
|                                                                                     | Torque max [Nm]:                                  | 25                     |
|                                                                                     | Rotation max [1/min]:                             | 6000                   |
|                                                                                     | Rotating direction:                               | same                   |
|                                                                                     | Coolant:                                          | IC/Ext                 |
|                                                                                     | Pressure max [bar]:                               | 25                     |
| <b>8 010 44 063</b>                                                                 | <b>Axial drilling and milling head Weldon 12</b>  |                        |
|                                                                                     | Weight [kg]:                                      | 2.500                  |
|                                                                                     | Tool drive:                                       | Bevel gear             |
|                                                                                     | Shank size [mm]:                                  | 45.00                  |
|                                                                                     | Shank type:                                       | BMT                    |
|                                                                                     | Tool adaption:                                    | Weldon (DIN 1835 b) 12 |
|                                                                                     | Gear ratio [i]:                                   | 1:1                    |
|                                                                                     | Torque max [Nm]:                                  | 25                     |
|                                                                                     | Rotation max [1/min]:                             | 6000                   |
|                                                                                     | Rotating direction:                               | same                   |
|                                                                                     | Coolant:                                          | EXT                    |
|                                                                                     | Please note:                                      | Combi bearing          |
| <b>8 010 45 109</b>                                                                 | <b>Axial drilling and milling head ER 25 M</b>    |                        |
|  | Weight [kg]:                                      | 2.440                  |
|                                                                                     | Tool drive:                                       | Bevel gear             |
|                                                                                     | Shank size [mm]:                                  | 45.00                  |
|                                                                                     | Shank type:                                       | BMT                    |
|                                                                                     | Tool adaption:                                    | ER 25 M                |
|                                                                                     | Gear ratio [i]:                                   | 1:1                    |
|                                                                                     | Torque max [Nm]:                                  | 25                     |
|                                                                                     | Rotation max [1/min]:                             | 6000                   |
|                                                                                     | Rotating direction:                               | same                   |
|                                                                                     | Coolant:                                          | EXT                    |
|                                                                                     | Please note:                                      | Combi bearing          |
| <b>8 011 44 009</b>                                                                 | <b>Axial milling head universal arbor 16</b>      |                        |
|                                                                                     | Weight [kg]:                                      | 2.500                  |
|                                                                                     | Tool drive:                                       | Bevel gear             |
|                                                                                     | Shank size [mm]:                                  | 45.00                  |
|                                                                                     | Shank type:                                       | BMT                    |
|                                                                                     | Tool adaption:                                    | Universal arbor 16     |
|                                                                                     | Gear ratio [i]:                                   | 1:1                    |
|                                                                                     | Torque max [Nm]:                                  | 25                     |
|                                                                                     | Rotation max [1/min]:                             | 6000                   |
|                                                                                     | Rotating direction:                               | same                   |
|                                                                                     | Coolant:                                          | EXT                    |
|                                                                                     | Please note:                                      | Combi bearing          |

| Part-#                                                                            | Name                                                |                  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------|------------------|
| <b>8 019 44 018</b>                                                               | <b>Axial drilling and milling head ER 20</b>        |                  |
|  | Weight [kg]:                                        | 4.980            |
|                                                                                   | Notation:                                           | offset           |
|                                                                                   | Tool drive:                                         | Bevel gear       |
|                                                                                   | Shank size [mm]:                                    | 45.00            |
|                                                                                   | Shank type:                                         | BMT              |
|                                                                                   | Tool adaption:                                      | ER 20            |
|                                                                                   | Gear ratio [i]:                                     | 1:2              |
|                                                                                   | Torque max [Nm]:                                    | 12               |
|                                                                                   | Rotation max [1/min]:                               | 10000            |
|                                                                                   | Rotating direction:                                 | opposite         |
|                                                                                   | Coolant:                                            | EXT              |
|                                                                                   | Pressure max [bar]:                                 | 140              |
| <b>8 019 44 045</b>                                                               | <b>Axial drilling and milling head ER 16 AX</b>     |                  |
|                                                                                   | Notation:                                           | offset           |
|                                                                                   | Tool drive:                                         | Bevel gear       |
|                                                                                   | Shank size [mm]:                                    | 45.00            |
|                                                                                   | Shank type:                                         | BMT              |
|                                                                                   | Tool adaption:                                      | ER 16 A          |
|                                                                                   | Gear ratio [i]:                                     | 1:2              |
|                                                                                   | Torque max [Nm]:                                    | 12               |
|                                                                                   | Rotation max [1/min]:                               | 10000            |
|                                                                                   | Rotating direction:                                 | opposite         |
|                                                                                   | Coolant:                                            | EXT              |
|                                                                                   | Please note:                                        | stronger bearing |
|                                                                                   | Offset [mm]:                                        | 34,5             |
| <b>8 030 44 072</b>                                                               | <b>Radial drilling and milling head ER 20 AX UT</b> |                  |
|                                                                                   | Notation:                                           | 180° reversible  |
|                                                                                   | Tool drive:                                         | Bevel gear       |
|                                                                                   | Shank size [mm]:                                    | 45.00            |
|                                                                                   | Shank type:                                         | BMT              |
|                                                                                   | Tool adaption:                                      | ER 20 A - u-tec  |
|                                                                                   | Gear ratio [i]:                                     | 1:2              |
|                                                                                   | Torque max [Nm]:                                    | 12               |
|                                                                                   | Rotation max [1/min]:                               | 12000            |
|                                                                                   | Rotating direction:                                 | opposite         |
|                                                                                   | Coolant:                                            | EXT              |
|                                                                                   | Center distance [mm]:                               | 65               |
| <b>8 030 44 176</b>                                                               | <b>Radial drilling and milling head ER 20 AX UT</b> |                  |
|                                                                                   | Weight [kg]:                                        | 4.160            |
|                                                                                   | Notation:                                           | 180° reversible  |
|                                                                                   | Tool drive:                                         | Bevel gear       |
|                                                                                   | Shank size [mm]:                                    | 45.00            |
|                                                                                   | Shank type:                                         | BMT              |
|                                                                                   | Tool adaption:                                      | ER 20 A - u-tec  |
|                                                                                   | Gear ratio [i]:                                     | 1:1              |
|                                                                                   | Torque max [Nm]:                                    | 25               |
|                                                                                   | Rotation max [1/min]:                               | 6000             |
|                                                                                   | Rotating direction:                                 | opposite         |
|                                                                                   | Coolant:                                            | EXT              |
|                                                                                   | Please note:                                        | Combi bearing    |
|                                                                                   | Center distance [mm]:                               | 55               |

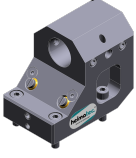
| Part-#                                                                            | Name                                             |                 |
|-----------------------------------------------------------------------------------|--------------------------------------------------|-----------------|
| <b>8 030 45 091</b>                                                               | <b>Radial drilling and milling head ER 25</b>    |                 |
|  | Notation:                                        | 180° reversible |
|                                                                                   | Tool drive:                                      | Bevel gear      |
|                                                                                   | Shank size [mm]:                                 | 45.00           |
|                                                                                   | Shank type:                                      | BMT             |
|                                                                                   | Tool adaption:                                   | ER 25           |
|                                                                                   | Gear ratio [i]:                                  | 1:1             |
|                                                                                   | Torque max [Nm]:                                 | 25              |
|                                                                                   | Rotation max [1/min]:                            | 6000            |
|                                                                                   | Rotating direction:                              | opposite        |
|                                                                                   | Coolant:                                         | EXT             |
|                                                                                   | Center distance [mm]:                            | 55              |
| <b>8 030 45 119</b>                                                               | <b>Radial drilling and milling head ER 25 IC</b> |                 |
|                                                                                   | Weight [kg]:                                     | 4.410           |
|                                                                                   | Notation:                                        | 180° reversible |
|                                                                                   | Tool drive:                                      | Bevel gear      |
|                                                                                   | Shank size [mm]:                                 | 45.00           |
|                                                                                   | Shank type:                                      | BMT             |
|                                                                                   | Tool adaption:                                   | ER 25           |
|                                                                                   | Gear ratio [i]:                                  | 1:1             |
|                                                                                   | Torque max [Nm]:                                 | 25              |
|                                                                                   | Rotation max [1/min]:                            | 6000            |
|                                                                                   | Rotating direction:                              | opposite        |
|                                                                                   | Coolant:                                         | IC/Ext          |
|                                                                                   | Pressure max [bar]:                              | 140             |
|                                                                                   | Center distance [mm]:                            | 55              |
| <b>8 030 45 125</b>                                                               | <b>Radial drilling and milling head ER 25</b>    |                 |
|                                                                                   | Notation:                                        | 180° reversible |
|                                                                                   | Tool drive:                                      | Bevel gear      |
|                                                                                   | Shank size [mm]:                                 | 45.00           |
|                                                                                   | Shank type:                                      | BMT             |
|                                                                                   | Tool adaption:                                   | ER 25           |
|                                                                                   | Gear ratio [i]:                                  | 1:2             |
|                                                                                   | Torque max [Nm]:                                 | 12              |
|                                                                                   | Rotation max [1/min]:                            | 12000           |
|                                                                                   | Rotating direction:                              | opposite        |
|                                                                                   | Coolant:                                         | EXT             |
|                                                                                   | Center distance [mm]:                            | 65              |
| <b>8 030 46 286</b>                                                               | <b>Radial drilling and milling head HT 4</b>     |                 |
|                                                                                   | Notation:                                        | 180° reversible |
|                                                                                   | Tool drive:                                      | Bevel gear      |
|                                                                                   | Shank size [mm]:                                 | 45.00           |
|                                                                                   | Shank type:                                      | BMT             |
|                                                                                   | Tool adaption:                                   | HT 4            |
|                                                                                   | Gear ratio [i]:                                  | 1:1             |
|                                                                                   | Torque max [Nm]:                                 | 25              |
|                                                                                   | Rotation max [1/min]:                            | 6000            |
|                                                                                   | Rotating direction:                              | opposite        |
|                                                                                   | Coolant:                                         | EXT             |
|                                                                                   | Please note:                                     | Combi bearing   |
|                                                                                   | Center distance [mm]:                            | 55              |

| Part-#              | Name                                            |                       |
|---------------------|-------------------------------------------------|-----------------------|
| <b>8 031 45 025</b> | <b>Radial milling head universal arbor 22</b>   |                       |
|                     | Weight [kg]:                                    | 4.360                 |
|                     | Notation:                                       | 180° reversible       |
|                     | Tool drive:                                     | Bevel gear            |
|                     | Shank size [mm]:                                | 45.00                 |
|                     | Shank type:                                     | BMT                   |
|                     | Tool adaption:                                  | Universal arbor 22    |
|                     | Gear ratio [i]:                                 | 1:1                   |
|                     | Torque max [Nm]:                                | 25                    |
|                     | Rotation max [1/min]:                           | 6000                  |
|                     | Rotating direction:                             | opposite              |
|                     | Coolant:                                        | EXT                   |
|                     | Please note:                                    | Combi bearing         |
|                     | Center distance [mm]:                           | 55                    |
| <b>8 039 45 023</b> | <b>Radial drilling and milling head ER 25</b>   |                       |
|                     | Weight [kg]:                                    | 4.520                 |
|                     | Notation:                                       | 180° reversible       |
|                     | Employment for:                                 | Main- and sub spindle |
|                     | Version:                                        | double spindle        |
|                     | Tool drive:                                     | Bevel gear            |
|                     | Shank size [mm]:                                | 45.00                 |
|                     | Shank type:                                     | BMT                   |
|                     | Tool adaption:                                  | ER 25                 |
|                     | Gear ratio [i]:                                 | 1:1                   |
|                     | Torque max [Nm]:                                | 25                    |
|                     | Rotation max [1/min]:                           | 6000                  |
|                     | Rotating direction:                             | same/opposite         |
|                     | Coolant:                                        | EXT                   |
|                     | Please note:                                    | stronger bearing      |
|                     | Center distance [mm]:                           | 55                    |
| <b>8 040 43 002</b> | <b>Universal head ± 90° adjustable ER 11 AX</b> |                       |
|                     | Weight [kg]:                                    | 3.530                 |
|                     | Tool drive:                                     | Bevel gear            |
|                     | Shank size [mm]:                                | 45.00                 |
|                     | Shank type:                                     | BMT                   |
|                     | Tool adaption:                                  | ER 11 A               |
|                     | Gear ratio [i]:                                 | 1:1                   |
|                     | Torque max [Nm]:                                | 10                    |
|                     | Rotation max [1/min]:                           | 6000                  |
|                     | Rotating direction:                             | same                  |
|                     | Coolant:                                        | EXT                   |
|                     | Center distance [mm]:                           | 55                    |
| <b>8 040 44 017</b> | <b>Universal head ± 90° adjustable ER 16</b>    |                       |
|                     | Weight [kg]:                                    | 3.540                 |
|                     | Tool drive:                                     | Bevel gear            |
|                     | Shank size [mm]:                                | 45.00                 |
|                     | Shank type:                                     | BMT                   |
|                     | Tool adaption:                                  | ER 16                 |
|                     | Gear ratio [i]:                                 | 1:1                   |
|                     | Torque max [Nm]:                                | 10                    |
|                     | Rotation max [1/min]:                           | 6000                  |
|                     | Rotating direction:                             | same                  |
|                     | Coolant:                                        | EXT                   |
|                     | Center distance [mm]:                           | 55                    |

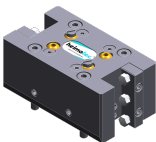
| Part-#                                                                              | Name                                             |                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------|
| <b>8 043 44 011</b>                                                                 | <b>Universal head +105°/-20° adj. ER16 AX UT</b> |                         |
|                                                                                     | Weight [kg]:                                     | 6.170                   |
|                                                                                     | Notation:                                        | offset; 180° reversible |
|                                                                                     | Tool drive:                                      | Bevel gear              |
|                                                                                     | Shank size [mm]:                                 | 45.00                   |
|                                                                                     | Shank type:                                      | BMT                     |
|                                                                                     | Tool adaption:                                   | ER 16 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                  | 1:1                     |
|                                                                                     | Torque max [Nm]:                                 | 25                      |
|                                                                                     | Rotation max [1/min]:                            | 6000                    |
|                                                                                     | Rotating direction:                              | opposite                |
|                                                                                     | Coolant:                                         | EXT                     |
|                                                                                     | Center distance [mm]:                            | 50                      |
|                                                                                     | Offset [mm]:                                     | 35                      |
| <b>8 043 45 002</b>                                                                 | <b>Universal head +105°/-20° adj. ER25 AX UT</b> |                         |
|                                                                                     | Weight [kg]:                                     | 6.460                   |
|                                                                                     | Notation:                                        | offset; 180° reversible |
|                                                                                     | Tool drive:                                      | Bevel gear              |
|                                                                                     | Shank size [mm]:                                 | 45.00                   |
|                                                                                     | Shank type:                                      | BMT                     |
|                                                                                     | Tool adaption:                                   | ER 25 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                  | 1:1                     |
|                                                                                     | Torque max [Nm]:                                 | 25                      |
|                                                                                     | Rotation max [1/min]:                            | 6000                    |
|                                                                                     | Rotating direction:                              | opposite                |
|                                                                                     | Coolant:                                         | EXT                     |
|                                                                                     | Please note:                                     | stronger bearing        |
|                                                                                     | Center distance [mm]:                            | 50                      |
|                                                                                     | Offset [mm]:                                     | 35                      |
| <b>8 050 44 004</b>                                                                 | <b>Multispindle drilling head ER 16</b>          |                         |
|                                                                                     | Weight [kg]:                                     | 4.300                   |
|                                                                                     | Tool drive:                                      | Bevel gear              |
|                                                                                     | Shank size [mm]:                                 | 45.00                   |
|                                                                                     | Shank type:                                      | BMT                     |
|                                                                                     | Tool adaption:                                   | ER 16                   |
|                                                                                     | Gear ratio [i]:                                  | 1:1                     |
|                                                                                     | Torque max [Nm]:                                 | 10/Sp.                  |
|                                                                                     | Rotation max [1/min]:                            | 6000                    |
|                                                                                     | Rotating direction:                              | opposite                |
|                                                                                     | Coolant:                                         | EXT                     |
| <b>8 202 00 010</b>                                                                 | <b>Basic holder longitudinal seat FN 12</b>      |                         |
|  | Weight [kg]:                                     | 0.920                   |
|                                                                                     | Notation:                                        | 180° reversible         |
|                                                                                     | Shank type:                                      | BMT                     |
|                                                                                     | Machine adaption:                                | Centering bolt ø 12     |
|                                                                                     | Tool adaption:                                   | Interface FN 12         |
|                                                                                     | Coolant:                                         | EXT                     |

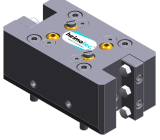
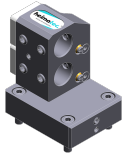
| Part-#                                                                              | Name                                        |                                        |
|-------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------|
| <b>8 224 03 016</b>                                                                 | <b>Universal turning holder sq. 3/4" IC</b> |                                        |
|    | Weight [kg]:                                | 2.630                                  |
|                                                                                     | Notation:                                   | 180° reversible                        |
|                                                                                     | Shank type:                                 | BMT                                    |
|                                                                                     | Machine adaption:                           | Centering bolt ø 12                    |
|                                                                                     | Tool adaption:                              | Sq. 3/4" (19,05mm)                     |
|                                                                                     |                                             | Sq. 3/4" (19,05mm)                     |
|                                                                                     | Coolant:                                    | IC/Ext                                 |
|                                                                                     | Pressure max [bar]:                         | 100                                    |
|                                                                                     | Please note:                                | Key rail                               |
| <b>8 224 04 000</b>                                                                 | <b>Universal turning holder sq. 20</b>      |                                        |
|    | Weight [kg]:                                | 2.640                                  |
|                                                                                     | Notation:                                   | 180° reversible                        |
|                                                                                     | Shank type:                                 | BMT                                    |
|                                                                                     | Machine adaption:                           | Centering bolt ø 12                    |
|                                                                                     | Tool adaption:                              | Sq. 20                                 |
|                                                                                     |                                             | Sq. 20                                 |
|                                                                                     | Coolant:                                    | EXT                                    |
| <b>8 224 04 068</b>                                                                 | <b>Universal turning holder sq. 20 IC</b>   |                                        |
|  | Weight [kg]:                                | 2.610                                  |
|                                                                                     | Notation:                                   | 180° reversible                        |
|                                                                                     | Shank type:                                 | BMT                                    |
|                                                                                     | Machine adaption:                           | Centering bolt ø 12                    |
|                                                                                     | Tool adaption:                              | Sq. 20                                 |
|                                                                                     |                                             | Sq. 20                                 |
|                                                                                     | Coolant:                                    | IC/Ext                                 |
|                                                                                     | Pressure max [bar]:                         | 100                                    |
|                                                                                     | Please note:                                | Key rail                               |
| <b>8 229 05 004</b>                                                                 | <b>Tool holder C 3 IC</b>                   |                                        |
|                                                                                     | Weight [kg]:                                | 2.980                                  |
|                                                                                     | Notation:                                   | 180° reversible                        |
|                                                                                     | Version:                                    | right                                  |
|                                                                                     | Shank type:                                 | BMT                                    |
|                                                                                     | Machine adaption:                           | Centering bolt ø 12                    |
|                                                                                     | Tool adaption:                              | heimatec Capto(TM) C 3                 |
|                                                                                     | Coolant:                                    | IC                                     |
|                                                                                     | Please note:                                | Check applicability; note tool length! |
|                                                                                     | Offset [mm]:                                | 65                                     |
| <b>8 229 05 005</b>                                                                 | <b>Tool holder C 3 IC</b>                   |                                        |
|                                                                                     | Weight [kg]:                                | 1.590                                  |
|                                                                                     | Notation:                                   | 180° reversible                        |
|                                                                                     | Version:                                    | right                                  |
|                                                                                     | Shank type:                                 | BMT                                    |
|                                                                                     | Machine adaption:                           | Centering bolt ø 12                    |
|                                                                                     | Tool adaption:                              | heimatec Capto(TM) C 3                 |
|                                                                                     | Coolant:                                    | IC                                     |
|                                                                                     | Please note:                                | Check applicability; note tool length! |
|                                                                                     | Offset [mm]:                                | 27                                     |

| Part-#              | Name                               |                                        |
|---------------------|------------------------------------|----------------------------------------|
| <b>8 240 05 034</b> | <b>Boring bar holder Ø 16</b>      |                                        |
|                     | Weight [kg]:                       | 4.360                                  |
|                     | Notation:                          | 180° reversible                        |
|                     | Shank type:                        | BMT                                    |
|                     | Machine adaption:                  | Centering bolt ø 12                    |
|                     | Tool adaption:                     | Ø 16                                   |
|                     | Coolant:                           | IC/Ext                                 |
|                     | Center distance [mm]:              | 75                                     |
| <b>8 240 05 059</b> | <b>Tool holder C 3 IC</b>          |                                        |
|                     | Weight [kg]:                       | 4.130                                  |
|                     | Notation:                          | 180° reversible                        |
|                     | Version:                           | right                                  |
|                     | Shank type:                        | BMT                                    |
|                     | Machine adaption:                  | Centering bolt ø 12                    |
|                     | Tool adaption:                     | heimatec Capto(TM) C 3                 |
|                     | Coolant:                           | IC                                     |
|                     | Please note:                       | Check applicability; note tool length! |
|                     | Center distance [mm]:              | 80                                     |
| <b>8 240 05 060</b> | <b>Tool holder C 3 IC</b>          |                                        |
|                     | Weight [kg]:                       | 3.190                                  |
|                     | Notation:                          | 180° reversible                        |
|                     | Version:                           | offset; right                          |
|                     | Shank type:                        | BMT                                    |
|                     | Machine adaption:                  | Centering bolt ø 12                    |
|                     | Tool adaption:                     | heimatec Capto(TM) C 3                 |
|                     | Coolant:                           | IC                                     |
|                     | Please note:                       | Check applicability; note tool length! |
|                     | Center distance [mm]:              | 80                                     |
| <b>8 240 06 034</b> | <b>Boring bar holder Ø 20</b>      |                                        |
|                     | Weight [kg]:                       | 4.280                                  |
|                     | Notation:                          | 180° reversible                        |
|                     | Shank type:                        | BMT                                    |
|                     | Machine adaption:                  | Centering bolt ø 12                    |
|                     | Tool adaption:                     | Ø 20                                   |
|                     | Coolant:                           | IC/Ext                                 |
|                     | Center distance [mm]:              | 75                                     |
| <b>8 240 07 038</b> | <b>Boring bar holder Ø 25</b>      |                                        |
|                     | Weight [kg]:                       | 4.160                                  |
|                     | Notation:                          | 180° reversible                        |
|                     | Shank type:                        | BMT                                    |
|                     | Machine adaption:                  | Centering bolt ø 12                    |
|                     | Tool adaption:                     | Ø 25                                   |
|                     | Coolant:                           | IC/Ext                                 |
|                     | Center distance [mm]:              | 75                                     |
| <b>8 240 07 050</b> | <b>Boring bar holder Ø 1 1/4 "</b> |                                        |
|                     | Weight [kg]:                       | 3.790                                  |
|                     | Notation:                          | offset                                 |
|                     | Shank type:                        | BMT                                    |
|                     | Machine adaption:                  | Centering bolt ø 12                    |
|                     | Tool adaption:                     | Ø 1 1/4" (31,75mm)                     |
|                     | Coolant:                           | IC/Ext                                 |
|                     | Center distance [mm]:              | 75                                     |

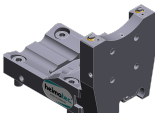
| Part-#                                                                              | Name                              |                        |
|-------------------------------------------------------------------------------------|-----------------------------------|------------------------|
| <b>8 240 08 000</b>                                                                 | <b>Boring bar holder Ø 32</b>     |                        |
|    | Weight [kg]:                      | 3.740                  |
|                                                                                     | Notation:                         | offset                 |
|                                                                                     | Shank type:                       | BMT                    |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | Ø 32                   |
|                                                                                     | Coolant:                          | IC/Ext                 |
|                                                                                     | Center distance [mm]:             | 75                     |
| <b>8 240 08 046</b>                                                                 | <b>Boring bar holder Ø 32</b>     |                        |
|                                                                                     | Weight [kg]:                      | 3.940                  |
|                                                                                     | Notation:                         | 180° reversible        |
|                                                                                     | Shank type:                       | BMT                    |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | Ø 32                   |
|                                                                                     | Coolant:                          | IC/Ext                 |
|                                                                                     | Center distance [mm]:             | 75                     |
| <b>8 240 08 074</b>                                                                 | <b>Boring bar holder Ø 1 1/2"</b> |                        |
|                                                                                     | Weight [kg]:                      | 4.000                  |
|                                                                                     | Shank type:                       | BMT                    |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | Ø 1 1/2" (38,1mm)      |
|                                                                                     | Coolant:                          | IC/Ext                 |
|                                                                                     | Center distance [mm]:             | 75                     |
| <b>8 240 09 002</b>                                                                 | <b>Boring bar holder Ø 40</b>     |                        |
|  | Weight [kg]:                      | 2.660                  |
|                                                                                     | Version:                          | offset                 |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | Ø 40                   |
|                                                                                     | Coolant:                          | IC/Ext                 |
|                                                                                     | Center distance [mm]:             | 75                     |
| <b>8 240 09 013</b>                                                                 | <b>Boring bar holder Ø 40</b>     |                        |
|  | Weight [kg]:                      | 3.950                  |
|                                                                                     | Shank type:                       | BMT                    |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | Ø 40                   |
|                                                                                     | Coolant:                          | IC/Ext                 |
|                                                                                     | Center distance [mm]:             | 75                     |
| <b>8 244 04 019</b>                                                                 | <b>Combi facing holder sq. 20</b> |                        |
|                                                                                     | Weight [kg]:                      | 3.700                  |
|                                                                                     | Shank type:                       | BMT                    |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | Sq. 20                 |
|                                                                                     | Coolant:                          | EXT                    |
| <b>8 249 05 008</b>                                                                 | <b>Double tool holder C 3 IC</b>  |                        |
|                                                                                     | Weight [kg]:                      | 4.860                  |
|                                                                                     | Employment for:                   | Main- and sub spindle  |
|                                                                                     | Version:                          | right                  |
|                                                                                     | Shank type:                       | BMT                    |
|                                                                                     | Machine adaption:                 | Centering bolt ø 12    |
|                                                                                     | Tool adaption:                    | heimatec Capto(TM) C 3 |

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| Part-#                                                                              | Name                                          |                                                                                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------|
|                                                                                     | Coolant:                                      | heimatec Capto(TM) C 3                                                               |
|                                                                                     | Please note:                                  | IC                                                                                   |
|                                                                                     | Center distance [mm]:                         | Check applicability; note tool length!<br>80                                         |
| <b>8 250 05 002</b>                                                                 | <b>Multiple tool holder C 3 IC</b>            |                                                                                      |
|                                                                                     | Weight [kg]:                                  | 2.140                                                                                |
|                                                                                     | Employment for:                               | Main- and sub spindle                                                                |
|                                                                                     | Version:                                      | right                                                                                |
|                                                                                     | Shank type:                                   | BMT                                                                                  |
|                                                                                     | Machine adaption:                             | Centering bolt ø 12                                                                  |
|                                                                                     | Tool adaption:                                | heimatec Capto(TM) C 3<br>heimatec Capto(TM) C 3                                     |
|                                                                                     | Coolant:                                      | IC                                                                                   |
|                                                                                     | Please note:                                  | Check applicability; note tool length!                                               |
|                                                                                     | Offset [mm]:                                  | 27<br>27                                                                             |
| <b>8 250 05 003</b>                                                                 | <b>Multiple tool holder C 3 IC</b>            |                                                                                      |
|                                                                                     | Weight [kg]:                                  | 3.730                                                                                |
|                                                                                     | Employment for:                               | Main- and sub spindle                                                                |
|                                                                                     | Version:                                      | right                                                                                |
|                                                                                     | Shank type:                                   | BMT                                                                                  |
|                                                                                     | Machine adaption:                             | Centering bolt ø 12                                                                  |
|                                                                                     | Tool adaption:                                | heimatec Capto(TM) C 3<br>heimatec Capto(TM) C 3                                     |
|                                                                                     | Coolant:                                      | IC                                                                                   |
|                                                                                     | Please note:                                  | Check applicability; note tool length!                                               |
|                                                                                     | Offset [mm]:                                  | 65<br>65                                                                             |
| <b>8 251 03 002</b>                                                                 | <b>Combi double turning holder sq. 3/4"IC</b> |                                                                                      |
|  | Weight [kg]:                                  | 4.360                                                                                |
|                                                                                     | Notation:                                     | 180° reversible                                                                      |
|                                                                                     | Shank type:                                   | BMT                                                                                  |
|                                                                                     | Machine adaption:                             | Centering bolt ø 12                                                                  |
|                                                                                     | Tool adaption:                                | Sq. 3/4" (19,05mm)<br>Sq. 3/4" (19,05mm)<br>Sq. 3/4" (19,05mm)<br>Sq. 3/4" (19,05mm) |
|                                                                                     | Coolant:                                      | IC/Ext                                                                               |
|                                                                                     | Pressure max [bar]:                           | 100                                                                                  |
|                                                                                     | Please note:                                  | Key rail                                                                             |
| <b>8 251 04 002</b>                                                                 | <b>Combi double turning holder sq. 20</b>     |                                                                                      |
|  | Weight [kg]:                                  | 4.380                                                                                |
|                                                                                     | Notation:                                     | 180° reversible                                                                      |
|                                                                                     | Shank type:                                   | BMT                                                                                  |
|                                                                                     | Machine adaption:                             | Centering bolt ø 12                                                                  |
|                                                                                     | Tool adaption:                                | Sq. 20<br>Sq. 20<br>Sq. 20<br>Sq. 20                                                 |
|                                                                                     | Coolant:                                      | EXT                                                                                  |

| Part-#                                                                              | Name                                         |                         |
|-------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|
| <b>8 251 04 003</b>                                                                 | <b>Combi double turning holder sq. 3/4"</b>  |                         |
|    | Weight [kg]:                                 | 4.410                   |
|                                                                                     | Notation:                                    | 180° reversible         |
|                                                                                     | Shank type:                                  | BMT                     |
|                                                                                     | Machine adaption:                            | Centering bolt ø 12     |
|                                                                                     | Tool adaption:                               | Sq. 3/4" (19,05mm)      |
|                                                                                     |                                              | Sq. 3/4" (19,05mm)      |
|                                                                                     |                                              | Sq. 3/4" (19,05mm)      |
|                                                                                     |                                              | Sq. 3/4" (19,05mm)      |
|                                                                                     | Coolant:                                     | EXT                     |
| <b>8 251 04 059</b>                                                                 | <b>Combi double turning holder sq. 20 IC</b> |                         |
|    | Weight [kg]:                                 | 4.360                   |
|                                                                                     | Notation:                                    | 180° reversible         |
|                                                                                     | Shank type:                                  | BMT                     |
|                                                                                     | Machine adaption:                            | Centering bolt ø 12     |
|                                                                                     | Tool adaption:                               | Sq. 20                  |
|                                                                                     |                                              | Sq. 20                  |
|                                                                                     |                                              | Sq. 20                  |
|                                                                                     |                                              | Sq. 20                  |
|                                                                                     | Coolant:                                     | IC/Ext                  |
|                                                                                     | Pressure max [bar]:                          | 100                     |
|                                                                                     | Please note:                                 | Key rail                |
| <b>8 253 07 000</b>                                                                 | <b>Double boring bar holder Ø 25</b>         |                         |
|  | Weight [kg]:                                 | 2.320                   |
|                                                                                     | Notation:                                    | offset, 180° reversible |
|                                                                                     | Shank type:                                  | BMT                     |
|                                                                                     | Machine adaption:                            | Centering bolt ø 12     |
|                                                                                     | Tool adaption:                               | Ø 25                    |
|                                                                                     |                                              | Ø 25                    |
|                                                                                     | Coolant:                                     | IC/Ext                  |
|                                                                                     | Center distance [mm]:                        | 50/85                   |
| <b>8 253 07 003</b>                                                                 | <b>Multiple boring bar holder Ø 1"</b>       |                         |
|  | Weight [kg]:                                 | 2.530                   |
|                                                                                     | Notation:                                    | offset, 180° reversible |
|                                                                                     | Shank type:                                  | BMT                     |
|                                                                                     | Machine adaption:                            | Centering bolt ø 12     |
|                                                                                     | Tool adaption:                               | Ø 1" (25,4mm)           |
|                                                                                     |                                              | Ø 1" (25,4mm)           |
|                                                                                     | Coolant:                                     | IC/Ext                  |
|                                                                                     | Center distance [mm]:                        | 50/85                   |
| <b>8 253 07 004</b>                                                                 | <b>Double boring bar holder Ø 1"</b>         |                         |
|  | Weight [kg]:                                 | 3.740                   |
|                                                                                     | Notation:                                    | 180° reversible         |
|                                                                                     | Shank type:                                  | BMT                     |
|                                                                                     | Machine adaption:                            | Centering bolt ø 12     |
|                                                                                     | Tool adaption:                               | Ø 1" (25,4mm)           |
|                                                                                     |                                              | Ø 1" (25,4mm)           |
|                                                                                     | Coolant:                                     | IC/Ext                  |
|                                                                                     | Center distance [mm]:                        | 50/85                   |

| Part-#                                                                            | Name                                             |                               |
|-----------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|
| <b>8 253 07 006</b>                                                               | <b>Double boring bar holder Ø 25</b>             |                               |
|  | Weight [kg]:                                     | 3.710                         |
|                                                                                   | Notation:                                        | 180° reversible               |
|                                                                                   | Shank type:                                      | BMT                           |
|                                                                                   | Machine adaption:                                | Centering bolt Ø 12           |
|                                                                                   | Tool adaption:                                   | Ø 25                          |
|                                                                                   |                                                  | Ø 25                          |
|                                                                                   | Coolant:                                         | IC/Ext                        |
|                                                                                   | Center distance [mm]:                            | 50/85                         |
| <b>8 259 01 006</b>                                                               | <b>Multiple turning holder 4x sq. 20</b>         |                               |
|                                                                                   | Weight [kg]:                                     | 4.700                         |
|                                                                                   | Employment for:                                  | Main- and sub spindle         |
|                                                                                   | Version:                                         | Y-axes offset                 |
|                                                                                   | Shank type:                                      | BMT                           |
|                                                                                   | Machine adaption:                                | Centering bolt ø 12           |
|                                                                                   | Tool adaption:                                   | Sq. 20                        |
|                                                                                   |                                                  | Sq. 20                        |
|                                                                                   |                                                  | Sq. 20                        |
|                                                                                   |                                                  | Sq. 20                        |
|                                                                                   | Coolant:                                         | EXT                           |
| <b>8 259 09 001</b>                                                               | <b>Multiple holder ø25 and sq. 20</b>            |                               |
|                                                                                   | Weight [kg]:                                     | 3.980                         |
|                                                                                   | Notation:                                        | 180° reversible               |
|                                                                                   | Shank type:                                      | BMT                           |
|                                                                                   | Machine adaption:                                | Centering bolt ø 12           |
|                                                                                   | Tool adaption:                                   | ø25/ sq. 20                   |
|                                                                                   |                                                  | ø25/ sq. 20                   |
|                                                                                   | Coolant:                                         | IC/Ext                        |
|                                                                                   | Center distance [mm]:                            | 50/85                         |
| <b>8 261 08 000</b>                                                               | <b>Tool holder for centering insert</b>          |                               |
|                                                                                   | Weight [kg]:                                     | 5.270                         |
|                                                                                   | Notation:                                        | 180° reversible               |
|                                                                                   | Shank type:                                      | BMT                           |
|                                                                                   | Machine adaption:                                | Centering bolt Ø 12           |
|                                                                                   | Tool adaption:                                   | Ø 32                          |
|                                                                                   | Coolant:                                         | EXT                           |
|                                                                                   | Please note:                                     | Price without centering point |
|                                                                                   | Center distance [mm]:                            | 55                            |
| <b>8 263 09 000</b>                                                               | <b>Tool holder with rotating centering point</b> |                               |
|                                                                                   | Weight [kg]:                                     | 4.070                         |
|                                                                                   | Notation:                                        | 180° reversible               |
|                                                                                   | Shank type:                                      | BMT                           |
|                                                                                   | Machine adaption:                                | Centering bolt ø 12           |
|                                                                                   | Rotation max [1/min]:                            | 6000                          |
|                                                                                   | Coolant:                                         | EXT                           |
|                                                                                   | Please note:                                     | Taper roller bearings         |
|                                                                                   | Center distance [mm]:                            | 75                            |

| Part-#                                                                              | Name                                              |                                                                                                |
|-------------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>8 320 02 017</b>                                                                 | <b>Cut-off holder, height adjustable SH 26 IC</b> |                                                                                                |
|                                                                                     | Notation:                                         | 180° reversible                                                                                |
|                                                                                     | Shank type:                                       | BMT                                                                                            |
|                                                                                     | Machine adaption:                                 | Centering bolt ø 12                                                                            |
|                                                                                     | Tool adaption:                                    | Clampshaft SH 26                                                                               |
|                                                                                     | Coolant:                                          | IC/Ext                                                                                         |
|                                                                                     | Pressure max [bar]:                               | 70                                                                                             |
| <b>8 320 02 018</b>                                                                 | <b>Cut-off holder, height adjustable SH 26 IC</b> |                                                                                                |
|                                                                                     | Notation:                                         | 180° reversible                                                                                |
|                                                                                     | Shank type:                                       | BMT                                                                                            |
|                                                                                     | Machine adaption:                                 | Centering bolt ø 12                                                                            |
|                                                                                     | Tool adaption:                                    | Clampshaft SH 26                                                                               |
|                                                                                     | Coolant:                                          | IC/Ext                                                                                         |
|                                                                                     | Pressure max [bar]:                               | 70                                                                                             |
|                                                                                     | Please note:                                      | Clampshaft internal                                                                            |
| <b>8 320 03 007</b>                                                                 | <b>Cut-off holder, height adjustable SH 32 IC</b> |                                                                                                |
|   | Weight [kg]:                                      | 1.520                                                                                          |
|                                                                                     | Notation:                                         | 180° reversible                                                                                |
|                                                                                     | Shank type:                                       | BMT                                                                                            |
|                                                                                     | Machine adaption:                                 | Centering bolt ø 12                                                                            |
|                                                                                     | Tool adaption:                                    | Clampshaft SH 32                                                                               |
|                                                                                     | Coolant:                                          | IC/Ext                                                                                         |
|                                                                                     | Pressure max [bar]:                               | 140                                                                                            |
| <b>8 320 03 027</b>                                                                 | <b>Cut-off holder, height adjustable SH 32 IC</b> |                                                                                                |
|  | Weight [kg]:                                      | 1.650                                                                                          |
|                                                                                     | Notation:                                         | 180° reversible                                                                                |
|                                                                                     | Shank type:                                       | BMT                                                                                            |
|                                                                                     | Machine adaption:                                 | Centering bolt ø 12                                                                            |
|                                                                                     | Tool adaption:                                    | Clampshaft SH 32                                                                               |
|                                                                                     | Coolant:                                          | IC/Ext                                                                                         |
|                                                                                     | Pressure max [bar]:                               | 100                                                                                            |
|                                                                                     | Please note:                                      | Clampshaft internal                                                                            |
| <b>8 320 09 003</b>                                                                 | <b>Cut-off holder, height adjustable 845 IC</b>   |                                                                                                |
|                                                                                     | Notation:                                         | 180° reversible                                                                                |
|                                                                                     | Shank type:                                       | BMT                                                                                            |
|                                                                                     | Machine adaption:                                 | Centering bolt ø 12                                                                            |
|                                                                                     | Tool adaption:                                    |  System 845 |
|                                                                                     | Coolant:                                          | IC                                                                                             |
|                                                                                     | Pressure max [bar]:                               | 70                                                                                             |

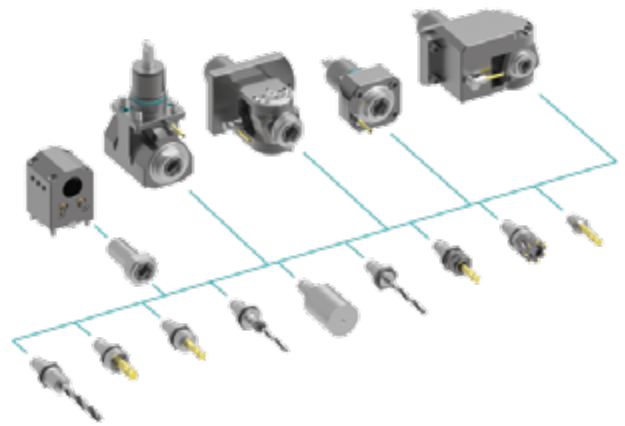
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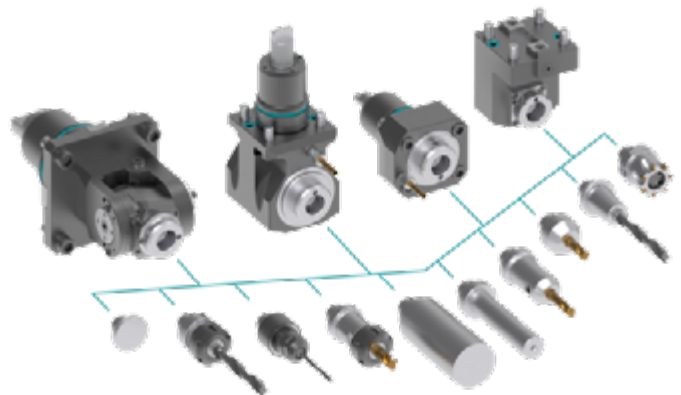
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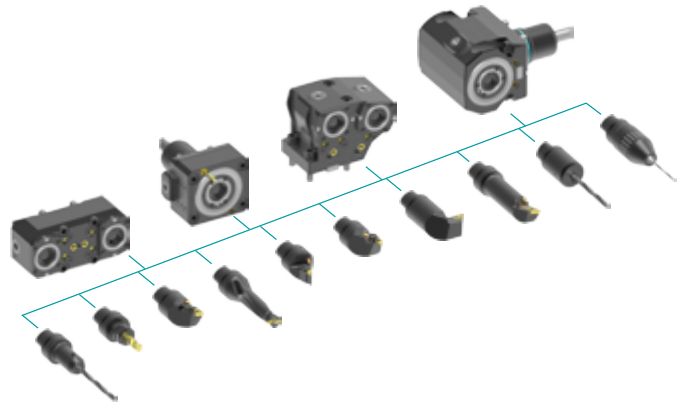
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