

Daewoo

# Puma 2500 MSY



# 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

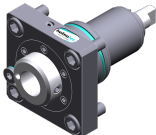
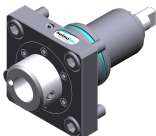
Digital tool management

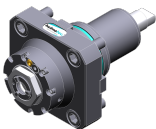
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| Part-#                                                                                   | Name                                                  |                                    |
|------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------|
| <b>8 010 55 038</b>                                                                      | <b>Axial drilling and milling head ER 25 AX UT IC</b> |                                    |
|         | Weight [kg]:                                          | 3.050                              |
|                                                                                          | Tool drive:                                           | Flat (~DIN 1809)                   |
|                                                                                          | Shank size [mm]:                                      | 55.00                              |
|                                                                                          | Shank type:                                           | BMT                                |
|                                                                                          | Tool adaption:                                        | ER 25 A - u-tec                    |
|                                                                                          | Gear ratio [i]:                                       | 1:1                                |
|                                                                                          | Torque max [Nm]:                                      | 50                                 |
|                                                                                          | Rotation max [1/min]:                                 | 6000                               |
|                                                                                          | Rotating direction:                                   | same                               |
|                                                                                          | Coolant:                                              | IC/Ext                             |
|                                                                                          | Pressure max [bar]:                                   | 25                                 |
|                                                                                          | Please note:                                          | Combi bearing                      |
| <b>8 010 55 039</b>                                                                      | <b>Axial drilling and milling head ER 25 AX UT</b>    |                                    |
|         | Notation:                                             | 180° reversible                    |
|                                                                                          | Tool drive:                                           | Flat (~DIN 1809)                   |
|                                                                                          | Shank size [mm]:                                      | 55.00                              |
|                                                                                          | Shank type:                                           | BMT                                |
|                                                                                          | Tool adaption:                                        | ER 25 A - u-tec                    |
|                                                                                          | Gear ratio [i]:                                       | 1:1                                |
|                                                                                          | Torque max [Nm]:                                      | 50                                 |
|                                                                                          | Rotation max [1/min]:                                 | 12000                              |
|                                                                                          | Rotating direction:                                   | same                               |
|                                                                                          | Coolant:                                              | EXT                                |
|                                                                                          | Pressure max [bar]:                                   | 140                                |
| <b>8 010 55 051</b>                                                                      | <b>Axial drilling and milling head Weldon 3/4"</b>    |                                    |
|  | Weight [kg]:                                          | 3.390                              |
|                                                                                          | Tool drive:                                           | Flat (~DIN 1809)                   |
|                                                                                          | Shank size [mm]:                                      | 55.00                              |
|                                                                                          | Shank type:                                           | BMT                                |
|                                                                                          | Tool adaption:                                        | Weldon (DIN 1835 b) 3/4" (19,05mm) |
|                                                                                          | Gear ratio [i]:                                       | 1:1                                |
|                                                                                          | Torque max [Nm]:                                      | 50                                 |
|                                                                                          | Rotation max [1/min]:                                 | 6000                               |
|                                                                                          | Rotating direction:                                   | same                               |
|                                                                                          | Coolant:                                              | EXT                                |
|                                                                                          | Please note:                                          | Combi bearing                      |
| <b>8 010 55 057</b>                                                                      | <b>Axial drilling and milling head ER 25 AX UT IC</b> |                                    |
|       | Notation:                                             | 180° reversible                    |
|                                                                                          | Tool drive:                                           | Flat (~DIN 1809)                   |
|                                                                                          | Shank size [mm]:                                      | 55.00                              |
|                                                                                          | Shank type:                                           | BMT                                |
|                                                                                          | Tool adaption:                                        | ER 25 A - u-tec                    |
|                                                                                          | Gear ratio [i]:                                       | 1:1                                |
|                                                                                          | Torque max [Nm]:                                      | 50                                 |
|                                                                                          | Rotation max [1/min]:                                 | 12000                              |
|                                                                                          | Rotating direction:                                   | same                               |
|                                                                                          | Coolant:                                              | IC/Ext                             |
|                                                                                          | Pressure max [bar]:                                   | 100                                |
|                                                                                          | Please note:                                          | Dryrun possible                    |

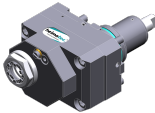
| Part-#                                                                              | Name                                               |                  |
|-------------------------------------------------------------------------------------|----------------------------------------------------|------------------|
| <b>8 010 55 120</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT</b> |                  |
|    | Weight [kg]:                                       | 3.190            |
|                                                                                     | Tool drive:                                        | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                   | 55.00            |
|                                                                                     | Shank type:                                        | BMT              |
|                                                                                     | Tool adaption:                                     | ER 25 A - u-tec  |
|                                                                                     | Gear ratio [i]:                                    | 1:1              |
|                                                                                     | Torque max [Nm]:                                   | 50               |
|                                                                                     | Rotation max [1/min]:                              | 8000             |
|                                                                                     | Rotating direction:                                | same             |
|                                                                                     | Coolant:                                           | EXT              |
| <b>8 010 56 035</b>                                                                 | <b>Axial drilling and milling head HT 4 IC</b>     |                  |
|    | Tool drive:                                        | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                   | 55.00            |
|                                                                                     | Shank type:                                        | BMT              |
|                                                                                     | Tool adaption:                                     | HT 4             |
|                                                                                     | Gear ratio [i]:                                    | 1:1              |
|                                                                                     | Torque max [Nm]:                                   | 50               |
|                                                                                     | Rotation max [1/min]:                              | 6000             |
|                                                                                     | Rotating direction:                                | same             |
|                                                                                     | Coolant:                                           | IC/Ext           |
|                                                                                     | Pressure max [bar]:                                | 25               |
|                                                                                     | Please note:                                       | stronger bearing |
| <b>8 010 56 039</b>                                                                 | <b>Axial drilling and milling head ER 32 AX UT</b> |                  |
|  | Weight [kg]:                                       | 3.200            |
|                                                                                     | Tool drive:                                        | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                   | 55.00            |
|                                                                                     | Shank type:                                        | BMT              |
|                                                                                     | Tool adaption:                                     | ER 32 A - u-tec  |
|                                                                                     | Gear ratio [i]:                                    | 1:1              |
|                                                                                     | Torque max [Nm]:                                   | 50               |
|                                                                                     | Rotation max [1/min]:                              | 6000             |
|                                                                                     | Rotating direction:                                | same             |
|                                                                                     | Coolant:                                           | EXT              |
|                                                                                     | Please note:                                       | Combi bearing    |
| <b>8 010 56 047</b>                                                                 | <b>Axial drilling and milling head HT 4 IC</b>     |                  |
|  | Tool drive:                                        | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                   | 55.00            |
|                                                                                     | Shank type:                                        | BMT              |
|                                                                                     | Tool adaption:                                     | HT 4             |
|                                                                                     | Gear ratio [i]:                                    | 1:1              |
|                                                                                     | Torque max [Nm]:                                   | 50               |
|                                                                                     | Rotation max [1/min]:                              | 6000             |
|                                                                                     | Rotating direction:                                | same             |
|                                                                                     | Coolant:                                           | IC/Ext           |
|                                                                                     | Pressure max [bar]:                                | 25               |
|                                                                                     | Please note:                                       | Combi bearing    |

| Part-#                                                                              | Name                                                                                                                                                                                                                    |                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8 010 56 089</b>                                                                 | <b>Axial drilling and milling head ER 32 AX UT IC</b>                                                                                                                                                                   |                                                                                                                                                                          |
|    | Tool drive:<br>Shank size [mm]:<br>Shank type:<br>Tool adaption:<br>Gear ratio [i]:<br>Torque max [Nm]:<br>Rotation max [1/min]:<br>Rotating direction:<br>Coolant:<br>Pressure max [bar]:<br>Please note:              | Flat (~DIN 1809)<br>55.00<br>BMT<br>ER 32 A - u-tec<br>1:1<br>50<br>12000<br>same<br>IC/Ext<br>100<br>Dryrun possible                                                    |
| <b>8 010 56 119</b>                                                                 | <b>Axial drilling and milling head C 4 IC</b>                                                                                                                                                                           |                                                                                                                                                                          |
|    | Notation:<br>Tool drive:<br>Shank size [mm]:<br>Shank type:<br>Tool adaption:<br>Gear ratio [i]:<br>Torque max [Nm]:<br>Rotation max [1/min]:<br>Rotating direction:<br>Coolant:<br>Pressure max [bar]:<br>Please note: | 180° reversible<br>Flat (~DIN 1809)<br>55.00<br>BMT<br>heimatec Capto(TM) C 4<br>1:1<br>50<br>6000<br>same<br>IC/Ext<br>100<br>Check applicability; tool length check !; |
| <b>8 013 54 008</b>                                                                 | <b>Axial drilling and milling head ER 16 AX UT</b>                                                                                                                                                                      |                                                                                                                                                                          |
|  | Weight [kg]:<br>Tool drive:<br>Shank size [mm]:<br>Shank type:<br>Tool adaption:<br>Gear ratio [i]:<br>Torque max [Nm]:<br>Rotation max [1/min]:<br>Rotating direction:<br>Coolant:                                     | 2.480<br>Flat (~DIN 1809)<br>55.00<br>BMT<br>ER 16 A - u-tec<br>1:4<br>5<br>24000<br>same<br>EXT                                                                         |
| <b>8 013 54 009</b>                                                                 | <b>Axial drilling and milling head ER 16 AX UT IC</b>                                                                                                                                                                   |                                                                                                                                                                          |
|  | Tool drive:<br>Shank size [mm]:<br>Shank type:<br>Tool adaption:<br>Gear ratio [i]:<br>Torque max [Nm]:<br>Rotation max [1/min]:<br>Rotating direction:<br>Coolant:<br>Pressure max [bar]:                              | Flat (~DIN 1809)<br>55.00<br>BMT<br>ER 16 A - u-tec<br>1:4<br>5<br>24000<br>same<br>IC/Ext<br>100                                                                        |

| Part-#                                                                              | Name                                               |                         |
|-------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------|
| <b>8 019 55 050</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT</b> |                         |
|    | Weight [kg]:                                       | 5.000                   |
|                                                                                     | Notation:                                          | offset; 180° reversible |
|                                                                                     | Tool drive:                                        | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                   | 55.00                   |
|                                                                                     | Shank type:                                        | BMT                     |
|                                                                                     | Tool adaption:                                     | ER 25 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                    | 1:1                     |
|                                                                                     | Torque max [Nm]:                                   | 40                      |
|                                                                                     | Rotation max [1/min]:                              | 8000                    |
|                                                                                     | Rotating direction:                                | opposite                |
|                                                                                     | Coolant:                                           | EXT                     |
|                                                                                     | Please note:                                       | stronger bearing        |
|                                                                                     | Offset [mm]:                                       | 42                      |
| <b>8 019 55 051</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT</b> |                         |
|    | Weight [kg]:                                       | 5.010                   |
|                                                                                     | Notation:                                          | offset; 180° reversible |
|                                                                                     | Tool drive:                                        | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                   | 55.00                   |
|                                                                                     | Shank type:                                        | BMT                     |
|                                                                                     | Tool adaption:                                     | ER 25 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                    | 2:1                     |
|                                                                                     | Torque max [Nm]:                                   | 50                      |
|                                                                                     | Rotation max [1/min]:                              | 3000                    |
|                                                                                     | Rotating direction:                                | opposite                |
|                                                                                     | Coolant:                                           | EXT                     |
|                                                                                     | Please note:                                       | stronger bearing        |
|                                                                                     | Offset [mm]:                                       | 42                      |
| <b>8 019 55 052</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT</b> |                         |
|  | Weight [kg]:                                       | 5.020                   |
|                                                                                     | Notation:                                          | offset; 180° reversible |
|                                                                                     | Tool drive:                                        | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                   | 55.00                   |
|                                                                                     | Shank type:                                        | BMT                     |
|                                                                                     | Tool adaption:                                     | ER 25 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                    | 1:3                     |
|                                                                                     | Torque max [Nm]:                                   | 16                      |
|                                                                                     | Rotation max [1/min]:                              | 18000                   |
|                                                                                     | Rotating direction:                                | opposite                |
|                                                                                     | Coolant:                                           | EXT                     |
|                                                                                     | Please note:                                       | stronger bearing        |
|                                                                                     | Offset [mm]:                                       | 42                      |
| <b>8 019 55 053</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT</b> |                         |
|  | Weight [kg]:                                       | 4.980                   |
|                                                                                     | Notation:                                          | offset; 180° reversible |
|                                                                                     | Tool drive:                                        | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                   | 55.00                   |
|                                                                                     | Shank type:                                        | BMT                     |
|                                                                                     | Tool adaption:                                     | ER 25 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                    | 1:2                     |
|                                                                                     | Torque max [Nm]:                                   | 25                      |
|                                                                                     | Rotation max [1/min]:                              | 16000                   |
|                                                                                     | Rotating direction:                                | opposite                |

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## Puma 2500 MSY

| Part-#                                                                              | Name                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | Coolant: EXT<br>Please note: stronger bearing<br>Offset [mm]: 42                                                                                                                                                                                                                                                                                                                      |
| <b>8 019 55 054</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT IC</b>                                                                                                                                                                                                                                                                                                                                 |
|    | Notation: offset; 180° reversible<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 55.00<br>Shank type: BMT<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 40<br>Rotation max [1/min]: 6000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: stronger bearing<br>Offset [mm]: 42                        |
| <b>8 019 55 056</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT IC</b>                                                                                                                                                                                                                                                                                                                                 |
|   | Weight [kg]: 6.130<br>Notation: offset; 180° reversible<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 55.00<br>Shank type: BMT<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:3<br>Torque max [Nm]: 16<br>Rotation max [1/min]: 18000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: stronger bearing<br>Offset [mm]: 42 |
| <b>8 019 55 057</b>                                                                 | <b>Axial drilling and milling head ER 25 AX UT IC</b>                                                                                                                                                                                                                                                                                                                                 |
|  | Weight [kg]: 6.060<br>Notation: offset; 180° reversible<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 55.00<br>Shank type: BMT<br>Tool adaption: ER 25 A - u-tec<br>Gear ratio [i]: 1:2<br>Torque max [Nm]: 25<br>Rotation max [1/min]: 16000<br>Rotating direction: opposite<br>Coolant: IC/Ext<br>Pressure max [bar]: 140<br>Please note: stronger bearing<br>Offset [mm]: 42 |

| Part-#                                                                              | Name                                                   |                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------|
| <b>8 030 54 053</b>                                                                 | <b>Radial drilling and milling head ER 16 AX UT IC</b> |                                        |
|                                                                                     | Weight [kg]:                                           | 7.290                                  |
|                                                                                     | Notation:                                              | 180° reversible                        |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                       |
|                                                                                     | Shank size [mm]:                                       | 55.00                                  |
|                                                                                     | Shank type:                                            | BMT                                    |
|                                                                                     | Tool adaption:                                         | ER 16 A - u-tec                        |
|                                                                                     | Gear ratio [i]:                                        | 1:4                                    |
|                                                                                     | Torque max [Nm]:                                       | 5                                      |
|                                                                                     | Rotation max [1/min]:                                  | 24000                                  |
|                                                                                     | Rotating direction:                                    | opposite                               |
|                                                                                     | Coolant:                                               | IC/Ext                                 |
|                                                                                     | Pressure max [bar]:                                    | 140                                    |
|                                                                                     | Center distance [mm]:                                  | 70                                     |
| <b>8 030 55 058</b>                                                                 | <b>Radial drilling and milling head C 3</b>            |                                        |
|    | Weight [kg]:                                           | 7.560                                  |
|                                                                                     | Notation:                                              | 180° reversible                        |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                       |
|                                                                                     | Shank size [mm]:                                       | 55.00                                  |
|                                                                                     | Shank type:                                            | BMT                                    |
|                                                                                     | Tool adaption:                                         | heimatec Capto(TM) C 3                 |
|                                                                                     | Gear ratio [i]:                                        | 1:1                                    |
|                                                                                     | Torque max [Nm]:                                       | 25                                     |
|                                                                                     | Rotation max [1/min]:                                  | 8000                                   |
|                                                                                     | Rotating direction:                                    | opposite                               |
|                                                                                     | Coolant:                                               | EXT                                    |
|                                                                                     | Please note:                                           | Check applicability; note tool length! |
|                                                                                     | Center distance [mm]:                                  | 70                                     |
| <b>8 030 55 067</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                                        |
|                                                                                     | Notation:                                              | 180° reversible                        |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                       |
|                                                                                     | Shank size [mm]:                                       | 55.00                                  |
|                                                                                     | Shank type:                                            | BMT                                    |
|                                                                                     | Tool adaption:                                         | ER 25 A - u-tec                        |
|                                                                                     | Gear ratio [i]:                                        | 1:3                                    |
|                                                                                     | Torque max [Nm]:                                       | 12                                     |
|                                                                                     | Rotation max [1/min]:                                  | 18000                                  |
|                                                                                     | Rotating direction:                                    | same                                   |
|                                                                                     | Coolant:                                               | IC/Ext                                 |
|                                                                                     | Pressure max [bar]:                                    | 140                                    |
|                                                                                     | Please note:                                           | stronger bearing                       |
|                                                                                     | Center distance [mm]:                                  | 80                                     |
| <b>8 030 55 102</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT</b>    |                                        |
|  | Notation:                                              | 180° reversible                        |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                       |
|                                                                                     | Shank size [mm]:                                       | 55.00                                  |
|                                                                                     | Shank type:                                            | BMT                                    |
|                                                                                     | Tool adaption:                                         | ER 25 A - u-tec                        |
|                                                                                     | Gear ratio [i]:                                        | 1:1                                    |
|                                                                                     | Torque max [Nm]:                                       | 50                                     |
|                                                                                     | Rotation max [1/min]:                                  | 12000                                  |
|                                                                                     | Rotating direction:                                    | same                                   |
|                                                                                     | Coolant:                                               | EXT                                    |
|                                                                                     | Pressure max [bar]:                                    | 140                                    |

| Part-#                                                                              | Name                                                   |                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|------------------|
|                                                                                     | Center distance [mm]:                                  | 70               |
| <b>8 030 55 120</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                  |
|    | Notation:                                              | 180° reversible  |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                       | 55.00            |
|                                                                                     | Shank type:                                            | BMT              |
|                                                                                     | Tool adaption:                                         | ER 25 A - u-tec  |
|                                                                                     | Gear ratio [i]:                                        | 1:1              |
|                                                                                     | Torque max [Nm]:                                       | 50               |
|                                                                                     | Rotation max [1/min]:                                  | 12000            |
|                                                                                     | Rotating direction:                                    | same             |
|                                                                                     | Coolant:                                               | IC/Ext           |
|                                                                                     | Pressure max [bar]:                                    | 140              |
|                                                                                     | Center distance [mm]:                                  | 70               |
| <b>8 030 55 175</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT</b>    |                  |
|   | Notation:                                              | 180° reversible  |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                       | 55.00            |
|                                                                                     | Shank type:                                            | BMT              |
|                                                                                     | Tool adaption:                                         | ER 25 A - u-tec  |
|                                                                                     | Gear ratio [i]:                                        | 1:1              |
|                                                                                     | Torque max [Nm]:                                       | 50               |
|                                                                                     | Rotation max [1/min]:                                  | 12000            |
|                                                                                     | Rotating direction:                                    | same             |
|                                                                                     | Coolant:                                               | EXT              |
|                                                                                     | Please note:                                           | stronger bearing |
|                                                                                     | Center distance [mm]:                                  | 60               |
| <b>8 030 55 176</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT IC</b> |                  |
|  | Weight [kg]:                                           | 6.500            |
|                                                                                     | Notation:                                              | 180° reversible  |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                       | 55.00            |
|                                                                                     | Shank type:                                            | BMT              |
|                                                                                     | Tool adaption:                                         | ER 25 A - u-tec  |
|                                                                                     | Gear ratio [i]:                                        | 1:1              |
|                                                                                     | Torque max [Nm]:                                       | 50               |
|                                                                                     | Rotation max [1/min]:                                  | 12000            |
|                                                                                     | Rotating direction:                                    | same             |
|                                                                                     | Coolant:                                               | IC/Ext           |
|                                                                                     | Pressure max [bar]:                                    | 140              |
|                                                                                     | Please note:                                           | stronger bearing |
|                                                                                     | Center distance [mm]:                                  | 60               |
| <b>8 030 56 052</b>                                                                 | <b>Radial drilling and milling head ER 32 AX UT</b>    |                  |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809) |
|                                                                                     | Shank size [mm]:                                       | 55.00            |
|                                                                                     | Shank type:                                            | BMT              |
|                                                                                     | Tool adaption:                                         | ER 32 A - u-tec  |
|                                                                                     | Gear ratio [i]:                                        | 1:1              |
|                                                                                     | Torque max [Nm]:                                       | 50               |
|                                                                                     | Rotation max [1/min]:                                  | 6000             |
|                                                                                     | Rotating direction:                                    | same             |
|                                                                                     | Coolant:                                               | EXT              |
|                                                                                     | Please note:                                           | stronger bearing |

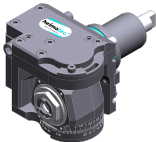
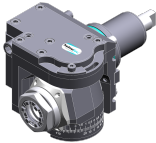
| Part-#                                                                              | Name                                                   |                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------|
|                                                                                     | Center distance [mm]:                                  | 70                                           |
| <b>8 030 56 056</b>                                                                 | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                                              |
|    | Weight [kg]:                                           | 7.150                                        |
|                                                                                     | Notation:                                              | 180° reversible                              |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                             |
|                                                                                     | Shank size [mm]:                                       | 55.00                                        |
|                                                                                     | Shank type:                                            | BMT                                          |
|                                                                                     | Tool adaption:                                         | ER 32 A - u-tec                              |
|                                                                                     | Gear ratio [i]:                                        | 1:1                                          |
|                                                                                     | Torque max [Nm]:                                       | 50                                           |
|                                                                                     | Rotation max [1/min]:                                  | 12000                                        |
|                                                                                     | Rotating direction:                                    | same                                         |
|                                                                                     | Coolant:                                               | IC/Ext                                       |
|                                                                                     | Pressure max [bar]:                                    | 140                                          |
|                                                                                     | Center distance [mm]:                                  | 70                                           |
| <b>8 030 56 172</b>                                                                 | <b>Radial drilling and milling head ER 32 AX UT IC</b> |                                              |
|                                                                                     | Weight [kg]:                                           | 6.830                                        |
|                                                                                     | Notation:                                              | 180° reversible                              |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                             |
|                                                                                     | Shank size [mm]:                                       | 55.00                                        |
|                                                                                     | Shank type:                                            | BMT                                          |
|                                                                                     | Tool adaption:                                         | ER 32 A - u-tec                              |
|                                                                                     | Gear ratio [i]:                                        | 2:1                                          |
|                                                                                     | Torque max [Nm]:                                       | 63                                           |
|                                                                                     | Rotation max [1/min]:                                  | 3000                                         |
|                                                                                     | Rotating direction:                                    | opposite                                     |
|                                                                                     | Coolant:                                               | IC/Ext                                       |
|                                                                                     | Pressure max [bar]:                                    | 140                                          |
|                                                                                     | Please note:                                           | Combi bearing                                |
|                                                                                     | Center distance [mm]:                                  | 70                                           |
| <b>8 030 56 274</b>                                                                 | <b>Radial drilling and milling head ER 32 AX UT</b>    |                                              |
|  | Weight [kg]:                                           | 6.720                                        |
|                                                                                     | Notation:                                              | 180° reversible                              |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                             |
|                                                                                     | Shank size [mm]:                                       | 55.00                                        |
|                                                                                     | Shank type:                                            | BMT                                          |
|                                                                                     | Tool adaption:                                         | ER 32 A - u-tec                              |
|                                                                                     | Gear ratio [i]:                                        | 1:1                                          |
|                                                                                     | Torque max [Nm]:                                       | 50                                           |
|                                                                                     | Rotation max [1/min]:                                  | 12000                                        |
|                                                                                     | Rotating direction:                                    | same                                         |
|                                                                                     | Coolant:                                               | EXT                                          |
|                                                                                     | Center distance [mm]:                                  | 70                                           |
| <b>8 037 54 024</b>                                                                 | <b>Radial disk mill head arbor 16</b>                  |                                              |
|  | Weight [kg]:                                           | 11.300                                       |
|                                                                                     | Notation:                                              | 180° reversible                              |
|                                                                                     | Version:                                               | ± 20° turnable; at 0° position can be pinned |
|                                                                                     | Tool drive:                                            | Flat (~DIN 1809)                             |
|                                                                                     | Shank size [mm]:                                       | 55.00                                        |
|                                                                                     | Shank type:                                            | BMT                                          |
|                                                                                     | Tool adaption:                                         | Arbor 16                                     |
|                                                                                     | Gear ratio [i]:                                        | 2:1                                          |
|                                                                                     | Torque max [Nm]:                                       | 63                                           |

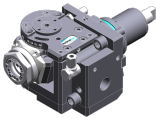
| Part-#                                                                              | Name                                                |                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|
|                                                                                     | Rotation max [1/min]:                               | 3000                                      |
|                                                                                     | Rotating direction:                                 | same                                      |
|                                                                                     | Coolant:                                            | no                                        |
|                                                                                     | Please note:                                        | strong version with stronger bearing; use |
|                                                                                     | Center distance [mm]:                               | 83,5                                      |
| <b>8 037 54 025</b>                                                                 | <b>Radial disk mill head arbor 16</b>               |                                           |
|    | Version:                                            | 360° turnable                             |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | Arbor 16                                  |
|                                                                                     | Gear ratio [i]:                                     | 1:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 50                                        |
|                                                                                     | Rotation max [1/min]:                               | 4000                                      |
|                                                                                     | Rotating direction:                                 | opposite                                  |
|                                                                                     | Coolant:                                            | EXT                                       |
|                                                                                     | Please note:                                        | Check applicability; note tool length;    |
|                                                                                     | Center distance [mm]:                               | 89                                        |
| <b>8 037 55 039</b>                                                                 | <b>Radial disk mill head arbor 1"</b>               |                                           |
|  | Weight [kg]:                                        | 10.220                                    |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | Arbor 1" (25,4mm)                         |
|                                                                                     | Gear ratio [i]:                                     | 2:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 80                                        |
|                                                                                     | Rotation max [1/min]:                               | 4000                                      |
|                                                                                     | Rotating direction:                                 | same                                      |
|                                                                                     | Coolant:                                            | EXT                                       |
|                                                                                     | Please note:                                        | Check applicability; note tool length;    |
|                                                                                     | Center distance [mm]:                               | 81                                        |
| <b>8 039 55 036</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT</b> |                                           |
|  | Weight [kg]:                                        | 7.110                                     |
|                                                                                     | Notation:                                           | 180° reversible                           |
|                                                                                     | Employment for:                                     | Main- and sub spindle                     |
|                                                                                     | Version:                                            | double spindle                            |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | ER 25 A - u-tec                           |
|                                                                                     | Gear ratio [i]:                                     | 1:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 50                                        |
|                                                                                     | Rotation max [1/min]:                               | 6000                                      |
|                                                                                     | Rotating direction:                                 | same/opposite                             |
|                                                                                     | Coolant:                                            | EXT                                       |
|                                                                                     | Please note:                                        | stronger bearing                          |
|                                                                                     | Center distance [mm]:                               | 70                                        |

| Part-#                                                                              | Name                                                |                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|
| <b>8 039 55 051</b>                                                                 | <b>Radial drilling and milling head ER 25 AX UT</b> |                                           |
|    | Weight [kg]:                                        | 7.000                                     |
|                                                                                     | Version:                                            | double spindle                            |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | ER 25 A - u-tec                           |
|                                                                                     | Gear ratio [i]:                                     | 1:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 50                                        |
|                                                                                     | Rotation max [1/min]:                               | 12000                                     |
|                                                                                     | Rotating direction:                                 | same/opposite                             |
|                                                                                     | Coolant:                                            | EXT                                       |
|                                                                                     | Center distance [mm]:                               | 60                                        |
| <b>8 039 56 022</b>                                                                 | <b>Radial drilling and milling head ER 32 AX UT</b> |                                           |
|                                                                                     | Notation:                                           | 180° reversible                           |
|                                                                                     | Employment for:                                     | Main- and sub spindle                     |
|                                                                                     | Version:                                            | double spindle                            |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | ER 32 A - u-tec                           |
|                                                                                     | Gear ratio [i]:                                     | 1:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 50                                        |
|                                                                                     | Rotation max [1/min]:                               | 12000                                     |
|                                                                                     | Rotating direction:                                 | same/opposite                             |
|                                                                                     | Coolant:                                            | EXT                                       |
|                                                                                     | Please note:                                        | stronger bearing                          |
|                                                                                     | Center distance [mm]:                               | 70                                        |
| <b>8 039 56 035</b>                                                                 | <b>Radial drilling and milling head ER 32 AX UT</b> |                                           |
|                                                                                     | Weight [kg]:                                        | 6.970                                     |
|                                                                                     | Notation:                                           | 180° reversible                           |
|                                                                                     | Employment for:                                     | Main- and sub spindle                     |
|                                                                                     | Version:                                            | double spindle, special                   |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | ER 32 A - u-tec                           |
|                                                                                     | Gear ratio [i]:                                     | 1:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 50                                        |
|                                                                                     | Rotation max [1/min]:                               | 6000                                      |
|                                                                                     | Rotating direction:                                 | same/opposite                             |
|                                                                                     | Coolant:                                            | no                                        |
|                                                                                     | Please note:                                        | Operation only with air purge, no coolant |
|                                                                                     | Center distance [mm]:                               | 70                                        |
| <b>8 043 54 006</b>                                                                 | <b>Universal head +110°/-20° adj. ER16 AX UT</b>    |                                           |
|  | Weight [kg]:                                        | 5.940                                     |
|                                                                                     | Notation:                                           | offset; 180° reversible                   |
|                                                                                     | Tool drive:                                         | Flat (~DIN 1809)                          |
|                                                                                     | Shank size [mm]:                                    | 55.00                                     |
|                                                                                     | Shank type:                                         | BMT                                       |
|                                                                                     | Tool adaption:                                      | ER 16 A - u-tec                           |
|                                                                                     | Gear ratio [i]:                                     | 1:1                                       |
|                                                                                     | Torque max [Nm]:                                    | 25                                        |
|                                                                                     | Rotation max [1/min]:                               | 6000                                      |

# Daewoo

## Puma 2500 MSY

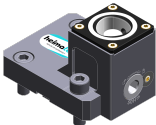
| Part-#                                                                              | Name                                              |                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------|
|                                                                                     | Rotating direction:                               | opposite                |
|                                                                                     | Coolant:                                          | EXT                     |
|                                                                                     | Center distance [mm]:                             | 50                      |
|                                                                                     | Offset [mm]:                                      | 35                      |
| <b>8 043 54 013</b>                                                                 | <b>Universal head +110°/-20° adj. ER16 AX UT</b>  |                         |
|    | Weight [kg]:                                      | 6.320                   |
|                                                                                     | Notation:                                         | offset; 180° reversible |
|                                                                                     | Tool drive:                                       | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                  | 55.00                   |
|                                                                                     | Shank type:                                       | BMT                     |
|                                                                                     | Tool adaption:                                    | ER 16 A - u-tec         |
|                                                                                     | Gear ratio [i]:                                   | 1:2                     |
|                                                                                     | Torque max [Nm]:                                  | 12                      |
|                                                                                     | Rotation max [1/min]:                             | 12000                   |
|                                                                                     | Rotating direction:                               | opposite                |
|                                                                                     | Coolant:                                          | EXT                     |
|                                                                                     | Center distance [mm]:                             | 50                      |
|                                                                                     | Offset [mm]:                                      | 35                      |
| <b>8 043 55 005</b>                                                                 | <b>Universal head +110°/-20° adj. ER25 AX UT</b>  |                         |
|  | Weight [kg]:                                      | 6.170                   |
|                                                                                     | Notation:                                         | offset, 180° reversible |
|                                                                                     | Tool drive:                                       | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                  | 55.00                   |
|                                                                                     | 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>8 043 55 009</b>                                                                 | <b>Universal head +110°/-20° adj. ER25AX UTIK</b> |                         |
|  | Weight [kg]:                                      | 6.320                   |
|                                                                                     | Notation:                                         | offset, 180° reversible |
|                                                                                     | Tool drive:                                       | Flat (~DIN 1809)        |
|                                                                                     | Shank size [mm]:                                  | 55.00                   |
|                                                                                     | 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:                                          | IC/Ext                  |
|                                                                                     | Pressure max [bar]:                               | 25                      |
|                                                                                     | Please note:                                      | stronger bearing        |
|                                                                                     | Center distance [mm]:                             | 50                      |
|                                                                                     | Offset [mm]:                                      | 35                      |

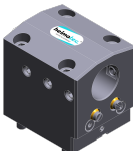
| Part-#                                                                              | Name                                             |                               |
|-------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|
| <b>8 043 55 027</b>                                                                 | <b>Universal head +110°/-20° adj. ER25 AX UT</b> |                               |
|    | Weight [kg]:                                     | 6.180                         |
|                                                                                     | Notation:                                        | offset, 180° reversible       |
|                                                                                     | Version:                                         | at 45° position can be pinned |
|                                                                                     | Tool drive:                                      | Flat (~DIN 1809)              |
|                                                                                     | Shank size [mm]:                                 | 55.00                         |
|                                                                                     | 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>8 053 54 030</b>                                                                 | <b>Multispindle radial head ER 16 AXUT IC</b>    |                               |
|                                                                                     | Weight [kg]:                                     | 6.880                         |
|                                                                                     | Notation:                                        | 180° reversible               |
|                                                                                     | Version:                                         | 2-spindles                    |
|                                                                                     | Tool drive:                                      | Flat (~DIN 1809)              |
|                                                                                     | Shank size [mm]:                                 | 55.00                         |
|                                                                                     | Shank type:                                      | BMT                           |
|                                                                                     | Tool adaption:                                   | ER 16 A - u-tec               |
|                                                                                     | Gear ratio [i]:                                  | 1:2                           |
|                                                                                     | Torque max [Nm]:                                 | 8                             |
|                                                                                     | Rotation max [1/min]:                            | 12000                         |
|                                                                                     | Rotating direction:                              | same                          |
|                                                                                     | Coolant:                                         | IC/Ext                        |
|                                                                                     | Pressure max [bar]:                              | 25                            |
|                                                                                     | Center distance [mm]:                            | 70                            |
| <b>8 200 02 003</b>                                                                 | <b>Cover plate</b>                               |                               |
|  | Weight [kg]:                                     | 0.361                         |
|                                                                                     | Shank size [mm]:                                 | 55.00                         |
|                                                                                     | Shank type:                                      | BMT                           |
| <b>8 202 00 009</b>                                                                 | <b>Basic holder longitudinal seat FN 12</b>      |                               |
|  | Notation:                                        | 180° reversible               |
|                                                                                     | Shank type:                                      | BMT                           |
|                                                                                     | Machine adaption:                                | Centering key b 15            |
|                                                                                     | Tool adaption:                                   | Interface FN 12               |
|                                                                                     | Coolant:                                         | IC/Ext                        |
|                                                                                     | Pressure max [bar]:                              | 140                           |
| <b>8 224 03 003</b>                                                                 | <b>Cut-off holder SH 32</b>                      |                               |
|  | Weight [kg]:                                     | 1.810                         |
|                                                                                     | Notation:                                        | 180° reversible               |
|                                                                                     | Employment for:                                  | Cut-off tool 32               |
|                                                                                     | Version:                                         | Clampshaft on turret side     |
|                                                                                     | Shank type:                                      | BMT                           |
|                                                                                     | Machine adaption:                                | Centering key b 15            |

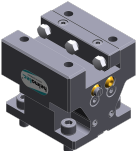
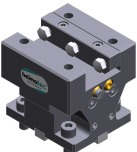
# Daewoo

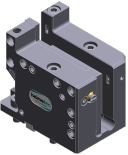
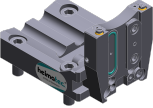
## Puma 2500 MSY

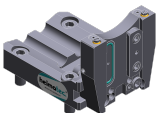
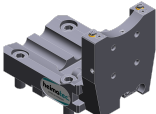
| Part-#                                                                              | Name                                      |                              |
|-------------------------------------------------------------------------------------|-------------------------------------------|------------------------------|
|                                                                                     | Tool adaption:                            | Clampshaft SH 32             |
|                                                                                     | Coolant:                                  | EXT                          |
| <b>8 224 04 002</b>                                                                 | <b>Universal turning holder sq. 20</b>    |                              |
|    | Weight [kg]:                              | 3.460                        |
|                                                                                     | Shank type:                               | BMT                          |
|                                                                                     | Machine adaption:                         | Centering key b 15           |
|                                                                                     | Tool adaption:                            | Sq. 20                       |
|                                                                                     | Coolant:                                  | EXT                          |
| <b>8 224 04 062</b>                                                                 | <b>Universal turning holder sq. 20 IC</b> |                              |
|    | Weight [kg]:                              | 3.020                        |
|                                                                                     | Shank type:                               | BMT                          |
|                                                                                     | Machine adaption:                         | Centering key b 15           |
|                                                                                     | Tool adaption:                            | Sq. 20                       |
|                                                                                     |                                           | Sq. 20                       |
|                                                                                     | Coolant:                                  | IC/Ext                       |
|                                                                                     | Pressure max [bar]:                       | 100                          |
|                                                                                     | Please note:                              | Key rail                     |
| <b>8 224 05 003</b>                                                                 | <b>Universal turning holder sq. 25</b>    |                              |
|                                                                                     | Weight [kg]:                              | 3.620                        |
|                                                                                     | Notation:                                 | 180° reversible              |
|                                                                                     | Shank type:                               | BMT                          |
|                                                                                     | Machine adaption:                         | Centering key b 15           |
|                                                                                     | Tool adaption:                            | Sq. 25                       |
|                                                                                     | Coolant:                                  | EXT                          |
| <b>8 224 05 005</b>                                                                 | <b>Universal turning holder sq. 1"</b>    |                              |
|  | Weight [kg]:                              | 3.560                        |
|                                                                                     | Shank type:                               | BMT                          |
|                                                                                     | Machine adaption:                         | Centering key b 15           |
|                                                                                     | Tool adaption:                            | Sq. 1" (25,4mm)              |
|                                                                                     | Coolant:                                  | EXT                          |
| <b>8 224 05 015</b>                                                                 | <b>Universal turning holder sq. 25/20</b> |                              |
|  | Weight [kg]:                              | 3.780                        |
|                                                                                     | Notation:                                 | 180° reversible              |
|                                                                                     | Shank type:                               | BMT                          |
|                                                                                     | Machine adaption:                         | Centering key b 15           |
|                                                                                     | Tool adaption:                            | Sq. 25/20                    |
|                                                                                     | Coolant:                                  | EXT                          |
|                                                                                     | Pressure max [bar]:                       | 80                           |
|                                                                                     | Please note:                              | with spacer strip for sq. 20 |
| <b>8 224 05 023</b>                                                                 | <b>Universal turning holder sq. 25/20</b> |                              |
|  | Weight [kg]:                              | 3.150                        |
|                                                                                     | Notation:                                 | 180° reversible              |
|                                                                                     | Shank type:                               | BMT                          |
|                                                                                     | Machine adaption:                         | Centering key b 15           |
|                                                                                     | Tool adaption:                            | Sq. 25/20                    |
|                                                                                     | Coolant:                                  | EXT                          |
|                                                                                     | Please note:                              | with spacer strip for sq. 20 |

| Part-#                                                                              | Name                                                                                                                                           |                                                                                                                                              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8 224 05 029</b>                                                                 | <b>Universal turning holder sq. 25 IC</b>                                                                                                      |                                                                                                                                              |
|    | Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Please note:                             | 180° reversible<br>BMT<br>Centering key b 15<br>Sq. 25<br>IC/Ext<br>140<br>Key rail                                                          |
| <b>8 229 06 004</b>                                                                 | <b>Tool holder C 4 IC</b>                                                                                                                      |                                                                                                                                              |
|    | Notation:<br>Version:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Please note:<br>Offset [mm]: | 180° reversible<br>right<br>BMT<br>Centering key b 15<br>heimatec Capto(TM) C 4<br>IC<br>140<br>Check applicability; note tool length!<br>38 |
| <b>8 229 06 009</b>                                                                 | <b>Tool holder C 4 IC</b>                                                                                                                      |                                                                                                                                              |
|  | Notation:<br>Version:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Please note:<br>Offset [mm]: | 180° reversible<br>left<br>BMT<br>Centering key b 15<br>heimatec Capto(TM) C 4<br>IC<br>140<br>Check applicability; note tool length!<br>38  |
| <b>8 240 06 061</b>                                                                 | <b>Tool holder C 4 IC</b>                                                                                                                      |                                                                                                                                              |
|  | Notation:<br>Version:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Center distance [mm]:        | 180° reversible<br>right<br>BMT<br>Centering key b 15<br>heimatec Capto(TM) C 4<br>IC<br>140<br>70                                           |
| <b>8 240 07 024</b>                                                                 | <b>Boring bar holder Ø 1 1/4"</b>                                                                                                              |                                                                                                                                              |
|  | Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Center distance [mm]:                    | 180° reversible<br>BMT<br>Centering key b 15<br>Ø 1 1/4" (31,75mm)<br>IC/Ext<br>140<br>70                                                    |

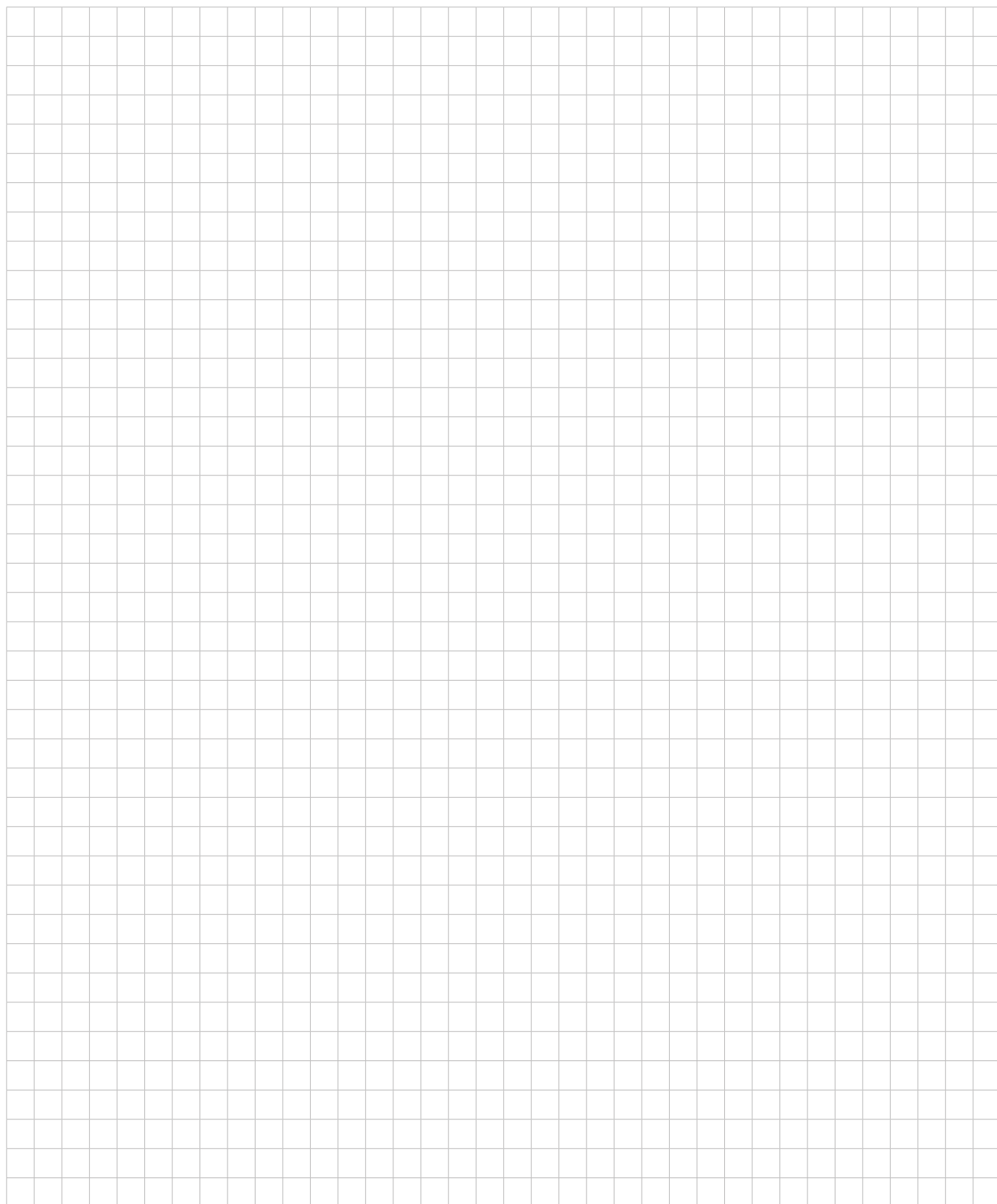
| Part-#                                                                              | Name                                                                                                                                    |                                                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>8 240 07 069</b>                                                                 | <b>Boring bar holder Ø 25</b>                                                                                                           |                                                                                                                     |
|    | Notation:<br>Employment for:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Center distance [mm]:                 | 180° reversible<br>Main- and sub spindle<br>BMT<br>Centering key b 15<br>Ø 25<br>IC/Ext<br>70                       |
| <b>8 240 08 002</b>                                                                 | <b>Boring bar holder Ø 32</b>                                                                                                           |                                                                                                                     |
|    | Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Center distance [mm]:             | 180° reversible<br>BMT<br>Centering key b 15<br>Ø 32<br>IC/Ext<br>140<br>70                                         |
| <b>8 240 08 008</b>                                                                 | <b>Boring bar holder Ø 32</b>                                                                                                           |                                                                                                                     |
|   | Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Center distance [mm]:             | 180° reversible<br>BMT<br>Centering key b 15<br>Ø 32<br>IC/Ext<br>140<br>100                                        |
| <b>8 240 08 009</b>                                                                 | <b>Boring bar holder Ø 1 1/2"</b>                                                                                                       |                                                                                                                     |
|  | Weight [kg]:<br>Notation:<br>Employment for:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Center distance [mm]: | 5.470<br>180° reversible<br>Main- and sub spindle<br>BMT<br>Centering key b 15<br>Ø 1 1/2" (38,1mm)<br>IC/Ext<br>70 |
| <b>8 240 08 061</b>                                                                 | <b>Boring bar holder Ø 32</b>                                                                                                           |                                                                                                                     |
|  | Weight [kg]:<br>Notation:<br>Employment for:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Center distance [mm]: | 6.490<br>180° reversible<br>Main- and sub spindle<br>BMT<br>Centering key b 15<br>Ø 32<br>IC/Ext<br>80              |
| <b>8 240 09 009</b>                                                                 | <b>Boring bar holder Ø 40</b>                                                                                                           |                                                                                                                     |
|                                                                                     | Weight [kg]:<br>Notation:<br>Employment for:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:   | 5.640<br>180° reversible<br>Main- and sub spindle<br>BMT<br>Centering key b 15<br>Ø 40<br>IC/Ext<br>80              |

| Part-#                                                                              | Name                                      |                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------|
|                                                                                     | Center distance [mm]:                     | 70                                    |
| <b>8 240 09 012</b>                                                                 | <b>Boring bar holder Ø 40</b>             |                                       |
|    | Notation:                                 | 180° reversible                       |
|                                                                                     | Employment for:                           | Main- and sub spindle                 |
|                                                                                     | Shank type:                               | BMT                                   |
|                                                                                     | Machine adaption:                         | Centering key b 15                    |
|                                                                                     | Tool adaption:                            | Ø 40                                  |
|                                                                                     | Coolant:                                  | IC/Ext                                |
|                                                                                     | Pressure max [bar]:                       | 80                                    |
|                                                                                     | Center distance [mm]:                     | 100                                   |
| <b>8 244 05 003</b>                                                                 | <b>Combi facing holder sq. 25</b>         |                                       |
|    | Weight [kg]:                              | 5.340                                 |
|                                                                                     | Notation:                                 | 180° reversible                       |
|                                                                                     | Employment for:                           | Main- and sub spindle                 |
|                                                                                     | Shank type:                               | BMT                                   |
|                                                                                     | Machine adaption:                         | Centering key b 15                    |
|                                                                                     | Tool adaption:                            | Sq. 25                                |
|                                                                                     | Coolant:                                  | EXT                                   |
|                                                                                     | Pressure max [bar]:                       | 80                                    |
| <b>8 244 05 006</b>                                                                 | <b>Combi facing holder sq. 1"</b>         |                                       |
|  | Weight [kg]:                              | 5.310                                 |
|                                                                                     | Notation:                                 | 180° reversible                       |
|                                                                                     | Employment for:                           | Main- and sub spindle                 |
|                                                                                     | Shank type:                               | BMT                                   |
|                                                                                     | Machine adaption:                         | Centering key b 15                    |
|                                                                                     | Tool adaption:                            | Sq. 1" (25,4mm)                       |
|                                                                                     | Coolant:                                  | EXT                                   |
| <b>8 251 05 001</b>                                                                 | <b>Combi double turning holder sq. 25</b> |                                       |
|  | Weight [kg]:                              | 7.700                                 |
|                                                                                     | Employment for:                           | Main- and sub spindle                 |
|                                                                                     | Shank type:                               | BMT                                   |
|                                                                                     | Machine adaption:                         | Centering key b 15                    |
|                                                                                     | Tool adaption:                            | Sq. 25                                |
|                                                                                     |                                           | Sq. 25                                |
|                                                                                     |                                           | Sq. 25                                |
|                                                                                     |                                           | Sq. 25                                |
|                                                                                     | Coolant:                                  | EXT                                   |
|                                                                                     | Pressure max [bar]:                       | 80                                    |
| <b>8 253 07 011</b>                                                                 | <b>Double boring bar holder Ø 25</b>      |                                       |
|  | Weight [kg]:                              | 6.770                                 |
|                                                                                     | Notation:                                 | 180° reversible                       |
|                                                                                     | Employment for:                           | Main- and sub spindle                 |
|                                                                                     | Shank type:                               | BMT                                   |
|                                                                                     | Machine adaption:                         | Centering key b 15                    |
|                                                                                     | Tool adaption:                            | Ø 25                                  |
|                                                                                     |                                           | Ø 25                                  |
|                                                                                     | Coolant:                                  | IC/Ext                                |
|                                                                                     | Pressure max [bar]:                       | 80                                    |
|                                                                                     | Please note:                              | Check applicability; note tool length |
|                                                                                     | Center distance [mm]:                     | 52/97                                 |

| Part-#                                                                              | Name                                              |                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------|
| <b>8 253 07 031</b>                                                                 | <b>Double boring bar holder Ø 1"</b>              |                       |
|    | Weight [kg]:                                      | 7.620                 |
|                                                                                     | Notation:                                         | 180° reversible       |
|                                                                                     | Employment for:                                   | Main- and sub spindle |
|                                                                                     | Shank type:                                       | BMT                   |
|                                                                                     | Machine adaption:                                 | Centering key b 15    |
|                                                                                     | Tool adaption:                                    | Ø 1" (25,4mm)         |
|                                                                                     |                                                   | Ø 1" (25,4mm)         |
|                                                                                     | Coolant:                                          | IC/Ext                |
|                                                                                     | Center distance [mm]:                             | 52/97                 |
| <b>8 253 07 047</b>                                                                 | <b>Double boring bar holder Ø 25</b>              |                       |
|                                                                                     | Weight [kg]:                                      | 6.940                 |
|                                                                                     | Notation:                                         | 180° reversible       |
|                                                                                     | Employment for:                                   | Main- and sub spindle |
|                                                                                     | Shank type:                                       | BMT                   |
|                                                                                     | Machine adaption:                                 | Centering key b 15    |
|                                                                                     | Tool adaption:                                    | Ø 25                  |
|                                                                                     |                                                   | Ø 25                  |
|                                                                                     | Coolant:                                          | IC/Ext                |
|                                                                                     | Center distance [mm]:                             | 44/87                 |
| <b>8 253 08 002</b>                                                                 | <b>Double boring bar holder Ø 32</b>              |                       |
|                                                                                     | Weight [kg]:                                      | 6.340                 |
|                                                                                     | Notation:                                         | 180° reversible       |
|                                                                                     | Employment for:                                   | Main- and sub spindle |
|                                                                                     | Shank type:                                       | BMT                   |
|                                                                                     | Machine adaption:                                 | Centering key b 15    |
|                                                                                     | Tool adaption:                                    | Ø 32                  |
|                                                                                     |                                                   | Ø 32                  |
|                                                                                     | Coolant:                                          | IC/Ext                |
|                                                                                     | Center distance [mm]:                             | 44/87                 |
| <b>8 259 04 007</b>                                                                 | <b>Multiple turning holder sq. 20</b>             |                       |
|  | Weight [kg]:                                      | 8.180                 |
|                                                                                     | Notation:                                         | 180° reversible       |
|                                                                                     | Employment for:                                   | Main- and sub spindle |
|                                                                                     | Version:                                          | Special               |
|                                                                                     | Shank type:                                       | BMT                   |
|                                                                                     | Machine adaption:                                 | Centering key b 15    |
|                                                                                     | Tool adaption:                                    | Sq. 20                |
|                                                                                     |                                                   | Sq. 20                |
|                                                                                     |                                                   | Sq. 20                |
|                                                                                     | Coolant:                                          | IC/Ext                |
| <b>8 320 02 014</b>                                                                 | <b>Cut-off holder, height adjustable SH 26 IC</b> |                       |
|  | Weight [kg]:                                      | 1.660                 |
|                                                                                     | Notation:                                         | 180° reversible       |
|                                                                                     | Shank type:                                       | BMT                   |
|                                                                                     | Machine adaption:                                 | Centering key b 15    |
|                                                                                     | Tool adaption:                                    | Clampshaft SH 26      |
|                                                                                     | Coolant:                                          | IC/Ext                |
|                                                                                     | Pressure max [bar]:                               | 70                    |

| Part-#                                                                             | Name                                                                                                                               |                                                                                                                                                                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8 320 03 008</b>                                                                | <b>Cut-off holder, height adjustable SH 32 IC</b>                                                                                  |                                                                                                                                                                     |
|   | Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:                                 | 180° reversible<br>BMT<br>Centering key b 15<br>Clampschaft SH 32<br>IC/Ext<br>140                                                                                  |
| <b>8 320 03 025</b>                                                                | <b>Cut-off holder, height adjustable SH 32 IC</b>                                                                                  |                                                                                                                                                                     |
|   | Weight [kg]:<br>Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:<br>Please note: | 1.910<br>180° reversible<br>BMT<br>Centering key b 15<br>Clampschaft SH 32<br>IC/Ext<br>70<br>Clampschaft internal                                                  |
| <b>8 320 09 001</b>                                                                | <b>Cut-off holder, height adjustable 845 IC</b>                                                                                    |                                                                                                                                                                     |
|  | Weight [kg]:<br>Notation:<br>Shank type:<br>Machine adaption:<br>Tool adaption:<br>Coolant:<br>Pressure max [bar]:                 | 1.730<br>180° reversible<br>BMT<br>Centering key b 15<br> System 845<br>IC<br>70 |





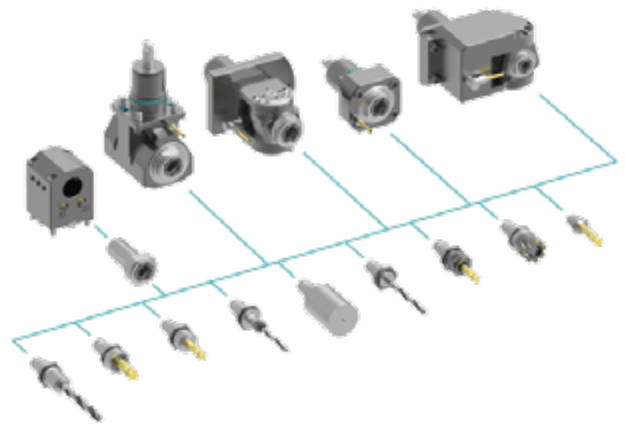
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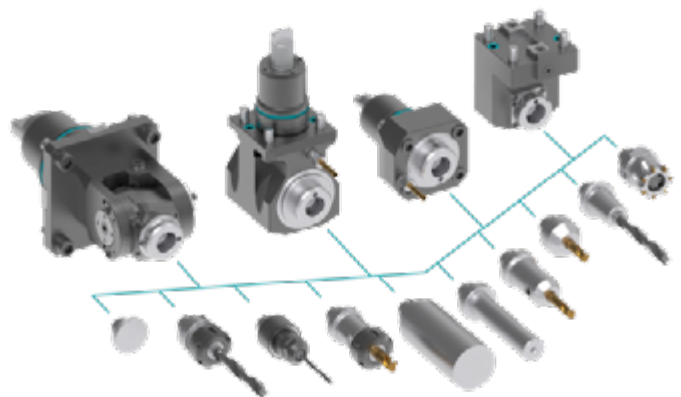
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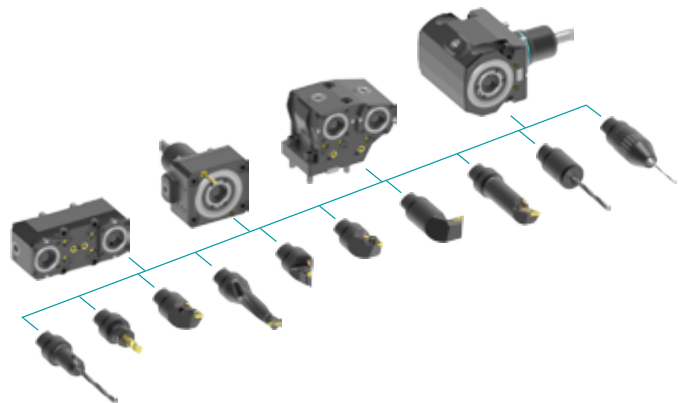
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