

Mori Seiki  
**NLX 3000 - 12**  
**Stationen - BMT**  
**60**



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

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

## \*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems

Tool systems for gear production




Digital tool management

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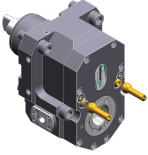
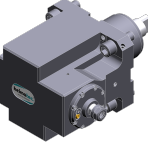
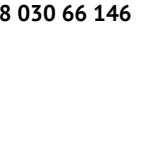
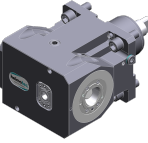
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| Part-#  | Name  |   |
|---|---|---|
| <b>8 010 66 094</b>   | <b>Axial drilling and milling head ER 32 AX UT</b>    |   |
|    | Weight [kg]:  | 5.680                                   |
|   | Tool drive:   | Flat (~DIN 1809)                        |
|   | Shank size [mm]:                                      | 60.00                                   |
|   | Shank type:   | BMT                                     |
|   | Tool adaption:  | ER 32 A - u-tec                         |
|   | Gear ratio [i]:                                       | 1:1                                     |
|   | Torque max [Nm]:                                      | 100                                     |
|   | Rotation max [1/min]:                                 | 10000                                   |
|   | Rotating direction:                                   | same                                    |
|   | Coolant:  | EXT                                     |
|   | Please note:  | stronger bearing                        |
| <b>8 010 66 108</b>   | <b>Axial drilling and milling head ER 32 AX UT IC</b> |   |
|   | Weight [kg]:  | 5.680                                   |
|   | Tool drive:   | Flat (~DIN 1809)                        |
|   | Shank size [mm]:                                      | 60.00                                   |
|   | Shank type:   | BMT                                     |
|   | Tool adaption:  | ER 32 A - u-tec                         |
|   | Gear ratio [i]:                                       | 1:1                                     |
|   | Torque max [Nm]:                                      | 100                                     |
|   | Rotation max [1/min]:                                 | 6000                                    |
|   | Rotating direction:                                   | same                                    |
|   | Coolant:  | IC/Ext                                  |
|   | Pressure max [bar]:                                   | 25                                      |
|   | Please note:  | stronger bearing                        |
| <b>8 010 66 139</b>   | <b>Axial drilling and milling head ER 32 AX UT IC</b> |   |
|  | Weight [kg]:  | 5.740                                   |
|   | Tool drive:   | Flat (~DIN 1809)                        |
|   | Shank size [mm]:                                      | 60.00                                   |
|   | Shank type:   | BMT                                     |
|   | Tool adaption:  | ER 32 A - u-tec                         |
|   | Gear ratio [i]:                                       | 1:1                                     |
|   | Torque max [Nm]:                                      | 100                                     |
|   | Rotation max [1/min]:                                 | 10000                                   |
|   | Rotating direction:                                   | same                                    |
|   | Coolant:  | IC                                      |
|   | Pressure max [bar]:                                   | 100                                     |
|   | Please note:  | Dryrun possible                         |
| <b>8 010 66 146</b>   | <b>Axial drilling and milling head C 4 IC</b>         |   |
|  | Tool drive:   | Flat (~DIN 1809)                        |
|   | Shank size [mm]:                                      | 60.00                                   |
|   | Shank type:   | BMT                                     |
|   | Tool adaption:  | heimatec Capto(TM) C 4                  |
|   | Gear ratio [i]:                                       | 1:1                                     |
|   | Torque max [Nm]:                                      | 80                                      |
|   | Rotation max [1/min]:                                 | 6000                                    |
|   | Rotating direction:                                   | same                                    |
|   | Coolant:  | IC/Ext                                  |
|   | Pressure max [bar]:                                   | 100                                     |
|   | Please note:  | Check applicability; note tool length!; |

| Part-#              | Name  |  |
|---------------------|---|--|
| <b>8 010 67 117</b> | <b>Axial drilling and milling head ER 40 AX UT</b>    |   |
|                     |   | Weight [kg]: 6.180<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 60.00<br>Shank type: BMT<br>Tool adaption: ER 40 u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 100<br>Rotation max [1/min]: 10000<br>Rotating direction: same<br>Coolant: EXT<br>Please note: stronger bearing                                   |
| <b>8 010 67 118</b> | <b>Axial drilling and milling head ER 40 AX UT IC</b> |  |
|                     |   | Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 60.00<br>Shank type: BMT<br>Tool adaption: ER 40 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 100<br>Rotation max [1/min]: 6000<br>Rotating direction: same<br>Coolant: IC/Ext<br>Pressure max [bar]: 25<br>Please note: stronger bearing                         |
| <b>8 010 67 137</b> | <b>Axial drilling and milling head ER 40 AX UT IC</b> |   |
|                     |   | Weight [kg]: 5.800<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 60.00<br>Shank type: BMT<br>Tool adaption: ER 40 A - u-tec<br>Gear ratio [i]: 1:1<br>Torque max [Nm]: 100<br>Rotation max [1/min]: 10000<br>Rotating direction: same<br>Coolant: IC<br>Pressure max [bar]: 100<br>Please note: Trochenlauf possible |
| <b>8 013 63 000</b> | <b>Axial drilling and milling head ER 11</b>          |   |
|                     |   | Weight [kg]: 4.760<br>Tool drive: Flat (~DIN 1809)<br>Shank size [mm]: 60.00<br>Shank type: BMT<br>Tool adaption: ER 11<br>Gear ratio [i]: 1:4<br>Torque max [Nm]: 5<br>Rotation max [1/min]: 48000<br>Rotating direction: same<br>Coolant: EXT  |

| Part-#              | Name  |                                       |
|---------------------|---|---------------------------------------|
| <b>8 013 64 003</b> | <b>Axial drilling and milling head ER 16 AX UT</b>    |                                       |
|                     | Weight [kg]:  | 4.840                                 |
|                     | Tool drive:   | Flat (~DIN 1809)                      |
|                     | Shank size [mm]:                                      | 60.00                                 |
|                     | 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:                                   | same                                  |
|                     | Coolant:  | EXT                                   |
| <b>8 013 64 016</b> | <b>Axial drilling and milling head ER 16 AX UT IC</b> |                                       |
|                     | Tool drive:   | Flat (~DIN 1809)                      |
|                     | Shank size [mm]:                                      | 60.00                                 |
|                     | 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:                                   | same                                  |
|                     | Coolant:  | IC/Ext                                |
|                     | Pressure max [bar]:                                   | 100                                   |
|                     | Please note:  | Dryrun possible                       |
| <b>8 019 64 051</b> | <b>Axial drilling and milling head ER 20 AX UT</b>    |                                       |
|                     | Weight [kg]:  | 18.420                                |
|                     | Tool drive:   | Flat (~DIN 1809)                      |
|                     | Shank size [mm]:                                      | 60.00                                 |
|                     | Shank type:   | BMT                                   |
|                     | Tool adaption:  | ER 20 A - u-tec                       |
|                     | Gear ratio [i]:                                       | 1:1                                   |
|                     | Torque max [Nm]:                                      | 25                                    |
|                     | Rotation max [1/min]:                                 | 10000                                 |
|                     | Rotating direction:                                   | same                                  |
|                     | Coolant:  | EXT                                   |
|                     | Please note:  | stronger bearing, check applicability |
|                     | Offset [mm]:  | 222,5                                 |
| <b>8 019 66 002</b> | <b>Axial drilling and milling head ER 32 AS UT IC</b> |                                       |
|                     | Weight [kg]:  | 11.190                                |
|                     | Notation:   | offset; 180° reversible               |
|                     | Tool drive:   | Flat (~DIN 1809)                      |
|                     | Shank size [mm]:                                      | 60.00                                 |
|                     | Shank type:   | BMT                                   |
|                     | Tool adaption:  | ER 32 A - u-tec                       |
|                     | Gear ratio [i]:                                       | 1:2                                   |
|                     | Torque max [Nm]:                                      | 40                                    |
|                     | Rotation max [1/min]:                                 | 12000                                 |
|                     | Rotating direction:                                   | opposite                              |
|                     | Coolant:  | IC/Ext                                |
|                     | Pressure max [bar]:                                   | 140                                   |
|                     | Please note:  | stronger bearing                      |
|                     | Offset [mm]:  | 50                                    |

| Part-#              | Name  |                         |
|---------------------|---|-------------------------|
| <b>8 019 66 019</b> | <b>Axial drilling and milling head ER 32 AX UT</b>    |                         |
|                     | Notation:   | offset; 180° reversible |
|                     | Tool drive:   | Flat (~DIN 1809)        |
|                     | Shank size [mm]:                                      | 60.00                   |
|                     | Shank type:   | BMT                     |
|                     | Tool adaption:  | ER 32 A - u-tec         |
|                     | Gear ratio [i]:                                       | 2:1                     |
|                     | Torque max [Nm]:                                      | 80                      |
|                     | Rotation max [1/min]:                                 | 3000                    |
|                     | Rotating direction:                                   | opposite                |
|                     | Coolant:  | EXT                     |
|                     | Please note:  | stronger bearing        |
|                     | Offset [mm]:  | 50                      |
| <b>8 019 66 022</b> | <b>Axial drilling and milling head ER 32 AS UT IC</b> |                         |
|                     | Weight [kg]:  | 11.130                  |
|                     | Notation:   | offset; 180° reversible |
|                     | Tool drive:   | Flat (~DIN 1809)        |
|                     | Shank size [mm]:                                      | 60.00                   |
|                     | Shank type:   | BMT                     |
|                     | Tool adaption:  | ER 32 A - u-tec         |
|                     | Gear ratio [i]:                                       | 1:1                     |
|                     | Torque max [Nm]:                                      | 50                      |
|                     | Rotation max [1/min]:                                 | 10000                   |
|                     | Rotating direction:                                   | opposite                |
|                     | Coolant:  | IC/Ext                  |
|                     | Pressure max [bar]:                                   | 140                     |
|                     | Please note:  | stronger bearing        |
|                     | Offset [mm]:  | 50                      |
| <b>8 019 66 073</b> | <b>Axial drilling and milling head ER 32 AS UT</b>    |                         |
|                     | Notation:   | offset; 180° reversible |
|                     | Tool drive:   | Flat (~DIN 1809)        |
|                     | Shank size [mm]:                                      | 60.00                   |
|                     | Shank type:   | BMT                     |
|                     | Tool adaption:  | ER 32 A - u-tec         |
|                     | Gear ratio [i]:                                       | 1:2                     |
|                     | Torque max [Nm]:                                      | 40                      |
|                     | Rotation max [1/min]:                                 | 12000                   |
|                     | Rotating direction:                                   | opposite                |
|                     | Coolant:  | EXT                     |
|                     | Please note:  | stronger bearing        |
|                     | Offset [mm]:  | 50                      |
| <b>8 019 66 074</b> | <b>Axial drilling and milling head ER 32 AS UT</b>    |                         |
|                     | Weight [kg]:  | 9.220                   |
|                     | Notation:   | offset; 180° reversible |
|                     | Tool drive:   | Flat (~DIN 1809)        |
|                     | Shank size [mm]:                                      | 60.00                   |
|                     | Shank type:   | BMT                     |
|                     | Tool adaption:  | ER 32 A - u-tec         |
|                     | Gear ratio [i]:                                       | 1:1                     |
|                     | Torque max [Nm]:                                      | 50                      |
|                     | Rotation max [1/min]:                                 | 10000                   |
|                     | Rotating direction:                                   | opposite                |
|                     | Coolant:  | EXT                     |
|                     | Please note:  | stronger bearing        |
|                     | Offset [mm]:  | 50                      |

| Part-#  | Name                  |   |
|---|-----------------------|---|
|    | <b>8 019 66 086</b>   | <b>Axial drilling and milling head C 4</b>      |
|   | Weight [kg]:          | 10.040  |
|   | Notation:             | 180° reversible, Y-axes offset                  |
|   | Tool drive:           | Flat (~DIN 1809)                                |
|   | Shank size [mm]:      | 60.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | heimatec Capto(TM) C 4                          |
|   | Gear ratio [i]:       | 1:1   |
|   | Torque max [Nm]:      | 50  |
|   | Rotation max [1/min]: | 6000  |
|   | Rotating direction:   | opposite  |
|   | Coolant:              | EXT   |
|   | Please note:          | Check applicability; tool length check !        |
| Offset [mm]:  | 62                    |   |
|   | <b>8 030 63 007</b>   | <b>Radial drilling and milling head ER 11</b>   |
|   | Weight [kg]:          | 10.950  |
|   | Notation:             | 180° reversible                                 |
|   | Tool drive:           | Flat (~DIN 1809)                                |
|   | Shank size [mm]:      | 60.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | ER 11   |
|   | Gear ratio [i]:       | 1:4   |
|   | Torque max [Nm]:      | 5   |
|   | Rotation max [1/min]: | 48000   |
|   | Rotating direction:   | opposite  |
|   | Coolant:              | EXT   |
|   | Center distance [mm]: | 90  |
|  | <b>8 030 66 146</b>   | <b>Radial drilling and milling head HT 4 IC</b> |
|   | Notation:             | 180° reversible                                 |
|   | Tool drive:           | Flat (~DIN 1809)                                |
|   | Shank size [mm]:      | 60.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | HT 4  |
|   | Gear ratio [i]:       | 1:1   |
|   | Torque max [Nm]:      | 50  |
|   | Rotation max [1/min]: | 10000   |
|   | Rotating direction:   | opposite  |
|   | Coolant:              | IC/Ext  |
|   | Pressure max [bar]:   | 140   |
|   | Please note:          | stronger bearing                                |
| Center distance [mm]:   | 90                    |   |
|  | <b>8 030 66 163</b>   | <b>Radial drilling and milling head C 4 IC</b>  |
|   | Weight [kg]:          | 13.880  |
|   | Notation:             | 180° reversible                                 |
|   | Tool drive:           | Flat (~DIN 1809)                                |
|   | Shank size [mm]:      | 60.00   |
|   | Shank type:           | BMT   |
|   | Tool adaption:        | heimatec Capto(TM) C 4                          |
|   | Gear ratio [i]:       | 1:1   |
|   | Torque max [Nm]:      | 80  |
|   | Rotation max [1/min]: | 6000  |
|   | Rotating direction:   | opposite  |
|   | Coolant:              | IC/Ext  |
|   | Pressure max [bar]:   | 140   |

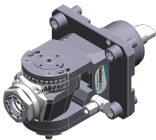
| Part-#   | Name   |  |
|--|--|--|
|  | Please note:   | Check applicability; tool length beachten! |
|  | Center distance [mm]:                                  | 90   |
| <b>8 030 66 201</b>  | <b>Radial drilling and milling head ER 32 AX UT</b>    |  |
|   | Weight [kg]:   | 12.780                                     |
|  | Notation:  | 180° reversible                            |
|  | Tool drive:  | Flat (~DIN 1809)                           |
|  | Shank size [mm]:                                       | 60.00                                      |
|  | Shank type:  | BMT  |
|  | Tool adaption:   | ER 32 A - u-tec                            |
|  | Gear ratio [i]:  | 1:1  |
|  | Torque max [Nm]:                                       | 50   |
|  | Rotation max [1/min]:                                  | 10000                                      |
|  | Rotating direction:                                    | opposite                                   |
|  | Coolant:   | EXT  |
|  | Please note:   | stronger bearing                           |
|  | Center distance [mm]:                                  | 90   |
| <b>8 030 66 208</b>  | <b>Radial drilling and milling head ER 32 AX UT IC</b> |  |
|  | Weight [kg]:   | 12.970                                     |
|  | Notation:  | 180° reversible                            |
|  | Tool drive:  | Flat (~DIN 1809)                           |
|  | Shank size [mm]:                                       | 60.00                                      |
|  | Shank type:  | BMT  |
|  | Tool adaption:   | ER 32 A - u-tec                            |
|  | Gear ratio [i]:  | 1:1  |
|  | Torque max [Nm]:                                       | 50   |
|  | Rotation max [1/min]:                                  | 10000                                      |
|  | Rotating direction:                                    | opposite                                   |
|  | Coolant:   | IC/Ext                                     |
|  | Pressure max [bar]:                                    | 140  |
|  | Please note:   | stronger bearing                           |
|  | Center distance [mm]:                                  | 90   |
| <b>8 030 67 081</b>  | <b>Radial drilling and milling head HT 5</b>           |  |
|  | Notation:  | 180° reversible                            |
|  | Tool drive:  | Flat (~DIN 1809)                           |
|  | Shank size [mm]:                                       | 60.00                                      |
|  | Shank type:  | BMT  |
|  | Tool adaption:   | HT 5                                       |
|  | Gear ratio [i]:  | 1:1  |
|  | Torque max [Nm]:                                       | 50   |
|  | Rotation max [1/min]:                                  | 10000                                      |
|  | Rotating direction:                                    | opposite                                   |
|  | Coolant:   | EXT  |
|  | Please note:   | stronger bearing                           |
|  | Center distance [mm]:                                  | 90   |
| <b>8 030 67 082</b>  | <b>Radial drilling and milling head HT 5 IC</b>        |  |
|  | Notation:  | 180° reversible                            |
|  | Tool drive:  | Flat (~DIN 1809)                           |
|  | Shank size [mm]:                                       | 60.00                                      |
|  | Shank type:  | BMT  |
|  | Tool adaption:   | HT 5                                       |
|  | Gear ratio [i]:  | 1:1  |
|  | Torque max [Nm]:                                       | 50   |
|  | Rotation max [1/min]:                                  | 10000                                      |

| Part-#              | Name   |                  |
|---------------------|--|------------------|
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 90               |
| <b>8 030 67 136</b> | <b>Radial drilling and milling head ER 40 AX UT IC</b> |                  |
|                     | Weight [kg]:   | 13.280           |
|                     | Notation:  | 180° reversible  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 60.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | ER 40 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 10000            |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | IC/Ext           |
|                     | Pressure max [bar]:                                    | 140              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 90               |
| <b>8 030 67 139</b> | <b>Radial drilling and milling head ER 40 AX UT</b>    |                  |
|                     | Weight [kg]:   | 13.120           |
|                     | Notation:  | 180° reversible  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 60.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | ER 40 A - u-tec  |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 10000            |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | EXT              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 90               |
| <b>8 030 68 041</b> | <b>Radial drilling and milling head HT 6</b>           |                  |
|                     | Notation:  | 180° reversible  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 60.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | HT 6             |
|                     | Gear ratio [i]:  | 1:1              |
|                     | Torque max [Nm]:                                       | 50               |
|                     | Rotation max [1/min]:                                  | 10000            |
|                     | Rotating direction:                                    | opposite         |
|                     | Coolant:   | EXT              |
|                     | Please note:   | stronger bearing |
|                     | Center distance [mm]:                                  | 90               |
| <b>8 030 68 042</b> | <b>Radial drilling and milling head HT 6 IC</b>        |                  |
|                     | Weight [kg]:   | 13.260           |
|                     | Notation:  | 180° reversible  |
|                     | Tool drive:  | Flat (~DIN 1809) |
|                     | Shank size [mm]:                                       | 60.00            |
|                     | Shank type:  | BMT              |
|                     | Tool adaption:   | HT 6             |


| Part-#              | Name  |  |
|---------------------|---|--|
|                     | Gear ratio [i]:                               | 1:1  |
|                     | Torque max [Nm]:                              | 50   |
|                     | Rotation max [1/min]:                         | 10000  |
|                     | Rotating direction:                           | opposite                                     |
|                     | Coolant:                                      | IC/Ext                                       |
|                     | Pressure max [bar]:                           | 140  |
|                     | Please note:                                  | stronger bearing                             |
|                     | Center distance [mm]:                         | 90   |
| <b>8 031 65 012</b> | <b>Radial milling head universal arbor 22</b> |  |
|                     | Weight [kg]:                                  | 13.100                                       |
|                     | Notation:                                     | 180° reversible                              |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | Universal arbor 22                           |
|                     | Gear ratio [i]:                               | 1:1  |
|                     | Torque max [Nm]:                              | 50   |
|                     | Rotation max [1/min]:                         | 10000  |
|                     | Rotating direction:                           | opposite                                     |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | stronger bearing                             |
|                     | Center distance [mm]:                         | 90   |
| <b>8 031 66 004</b> | <b>Radial milling head universal arbor 27</b> |  |
|                     | Weight [kg]:                                  | 13.210                                       |
|                     | Notation:                                     | 180° reversible                              |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | Universal arbor 27                           |
|                     | Gear ratio [i]:                               | 1:1  |
|                     | Torque max [Nm]:                              | 50   |
|                     | Rotation max [1/min]:                         | 10000  |
|                     | Rotating direction:                           | opposite                                     |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | stronger bearing                             |
|                     | Center distance [mm]:                         | 90   |
| <b>8 037 64 019</b> | <b>Radial disk mill head arbor 3/4"</b>       |  |
|                     | Weight [kg]:                                  | 13.440                                       |
|                     | Version:                                      | ± 45° turnable; at 0° position can be pinned |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | Arbor 3/4" (19,05mm)                         |
|                     | Gear ratio [i]:                               | 2:1  |
|                     | Torque max [Nm]:                              | 63   |
|                     | Rotation max [1/min]:                         | 3000   |
|                     | Rotating direction:                           | same   |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | strong version; stronger bearing             |
|                     | Center distance [mm]:                         | 100  |

| Part-#              | Name  |  |
|---------------------|---|--|
| <b>8 037 65 020</b> | <b>Radial disk mill head arbor 1"</b>         |  |
|                     | Weight [kg]:                                  | 13.640                                       |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | Arbor 1" (25,4mm)                            |
|                     | Gear ratio [i]:                               | 2:1  |
|                     | Torque max [Nm]:                              | 63   |
|                     | Rotation max [1/min]:                         | 3000   |
|                     | Rotating direction:                           | same   |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | strong version; stronger bearing             |
|                     | Center distance [mm]:                         | 100  |
| <b>8 037 65 023</b> | <b>Radial disk mill head arbor 22</b>         |  |
|                     | Weight [kg]:                                  | 13.570                                       |
|                     | Version:                                      | ± 45° turnable; at 0° position can be pinned |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | Arbor 22                                     |
|                     | Gear ratio [i]:                               | 2:1  |
|                     | Torque max [Nm]:                              | 63   |
|                     | Rotation max [1/min]:                         | 3000   |
|                     | Rotating direction:                           | same   |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | strong version; stronger bearing             |
|                     | Center distance [mm]:                         | 100  |
| <b>8 037 66 007</b> | <b>Radial disk mill head arbor 1 1/4"</b>     |  |
|                     | Weight [kg]:                                  | 13.930                                       |
|                     | Version:                                      | Special                                      |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | Arbor 1 1/4" (31,75mm)                       |
|                     | Gear ratio [i]:                               | 2:1  |
|                     | Torque max [Nm]:                              | 63   |
|                     | Rotation max [1/min]:                         | 3000   |
|                     | Rotating direction:                           | same   |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | strong version; stronger bearing             |
|                     | Center distance [mm]:                         | 100  |
| <b>8 039 66 010</b> | <b>Radial drilling and milling head ER 32</b> |  |
|                     | Weight [kg]:                                  | 13.290                                       |
|                     | Version:                                      | double spindle                               |
|                     | Tool drive:                                   | Flat (~DIN 1809)                             |
|                     | Shank size [mm]:                              | 60.00  |
|                     | Shank type:                                   | BMT  |
|                     | Tool adaption:                                | ER 32  |
|                     | Gear ratio [i]:                               | 1:1  |
|                     | Torque max [Nm]:                              | 50   |
|                     | Rotation max [1/min]:                         | 10000  |
|                     | Rotating direction:                           | same/opposite                                |
|                     | Coolant:                                      | EXT  |
|                     | Please note:                                  | stronger bearing                             |
|                     | Center distance [mm]:                         | 90   |


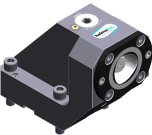
| Part-#              | Name  |                       |
|---------------------|---|-----------------------|
| <b>8 039 66 038</b> | <b>Radial drilling and milling head ER 32 AX UT</b> |                       |
|                     | Weight [kg]:  | 12.570                |
|                     | Employment for:                                     | Main- and sub spindle |
|                     | Version:  | double spindle        |
|                     | Tool drive:   | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                    | 60.00                 |
|                     | Shank type:   | BMT                   |
|                     | Tool adaption:                                      | ER 32 A - u-tec       |
|                     | Gear ratio [i]:                                     | 1:1                   |
|                     | Torque max [Nm]:                                    | 50                    |
|                     | Rotation max [1/min]:                               | 10000                 |
|                     | Rotating direction:                                 | same/opposite         |
|                     | Coolant:  | EXT                   |
|                     | Please note:  | stronger bearing      |
|                     | Center distance [mm]:                               | 90                    |
| <b>8 039 67 000</b> | <b>Radial drilling and milling head ER 40</b>       |                       |
|                     | Weight [kg]:  | 13.410                |
|                     | Employment for:                                     | Main- and sub spindle |
|                     | Version:  | double spindle        |
|                     | Tool drive:   | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                    | 60.00                 |
|                     | Shank type:   | BMT                   |
|                     | Tool adaption:                                      | ER 40                 |
|                     | Gear ratio [i]:                                     | 1:1                   |
|                     | Torque max [Nm]:                                    | 50                    |
|                     | Rotation max [1/min]:                               | 10000                 |
|                     | Rotating direction:                                 | same/opposite         |
|                     | Coolant:  | EXT                   |
|                     | Please note:  | stronger bearing      |
|                     | Center distance [mm]:                               | 90                    |
| <b>8 039 67 007</b> | <b>Radial drilling and milling head HT 5</b>        |                       |
|                     | Employment for:                                     | Main- and sub spindle |
|                     | Version:  | double spindle        |
|                     | Tool drive:   | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                    | 60.00                 |
|                     | Shank type:   | BMT                   |
|                     | Tool adaption:                                      | HT 5                  |
|                     | Gear ratio [i]:                                     | 1:1                   |
|                     | Torque max [Nm]:                                    | 50                    |
|                     | Rotation max [1/min]:                               | 10000                 |
|                     | Rotating direction:                                 | same/opposite         |
|                     | Coolant:  | EXT                   |
|                     | Please note:  | stronger bearing      |
|                     | Center distance [mm]:                               | 90                    |
| <b>8 039 67 015</b> | <b>Radial drilling and milling head ER 40 AX UT</b> |                       |
|                     | Weight [kg]:  | 13.000                |
|                     | Employment for:                                     | Main- and sub spindle |
|                     | Version:  | double spindle        |
|                     | Tool drive:   | Flat (~DIN 1809)      |
|                     | Shank size [mm]:                                    | 60.00                 |
|                     | Shank type:   | BMT                   |
|                     | Tool adaption:                                      | ER 40 A - u-tec       |
|                     | Gear ratio [i]:                                     | 1:1                   |
|                     | Torque max [Nm]:                                    | 50                    |
|                     | Rotation max [1/min]:                               | 10000                 |


| Part-#  | Name  |                                       |
|---|---|---------------------------------------|
|   | Rotating direction:                                   | same/opposite                         |
|   | Coolant:  | EXT                                   |
|   | Please note:  | stronger bearing                      |
|   | Center distance [mm]:                                 | 90                                    |
| <b>8 039 68 008</b>   | <b>Radial drilling and milling head HT 6</b>          |                                       |
|   | Employment for:                                       | Main- and sub spindle                 |
|   | Version:  | double spindle                        |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                      | 60.00                                 |
|   | Shank type:   | BMT                                   |
|   | Tool adaption:  | HT 6                                  |
|   | Gear ratio [i]:                                       | 1:1                                   |
|   | Torque max [Nm]:                                      | 50                                    |
|   | Rotation max [1/min]:                                 | 10000                                 |
|   | Rotating direction:                                   | same/opposite                         |
|   | Coolant:  | EXT                                   |
|   | Please note:  | stronger bearing                      |
|   | Center distance [mm]:                                 | 90                                    |
| <b>8 040 64 011</b>   | <b>Universal head ± 90° adjustable ER 16 AX UT</b>    |                                       |
|   | Weight [kg]:  | 5.750                                 |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                      | 60.00                                 |
|   | 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                                   |
|   | Please note:  | Note swivel range !                   |
|   | Center distance [mm]:                                 | 81                                    |
| <b>8 040 65 004</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT</b>    |                                       |
|  | Weight [kg]:  | 6.000                                 |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                      | 60.00                                 |
|   | 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:  | Note swivel range !; stronger bearing |
|   | Center distance [mm]:                                 | 81                                    |
| <b>8 040 65 008</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT IC</b> |                                       |
|   | Weight [kg]:  | 5.990                                 |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                      | 60.00                                 |
|   | Shank type:   | BMT                                   |
|   | Tool adaption:  | ER 25 A - u-tec                       |
|   | Gear ratio [i]:                                       | 1:1                                   |
|   | Torque max [Nm]:                                      | 25                                    |
|   | Rotation max [1/min]:                                 | 6000                                  |


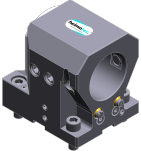
| Part-#  | Name   |                                      |
|---|--|--------------------------------------|
|   | Rotating direction:                                | opposite                             |
|   | Coolant:   | IC/Ext                               |
|   | Pressure max [bar]:                                | 140                                  |
|   | Please note:                                       | Note swivel range !                  |
|   | Center distance [mm]:                              | 81                                   |
| <b>8 040 65 019</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT</b> |                                      |
|    | Weight [kg]:                                       | 6.000                                |
|   | Version:   | at 45° position can be pinned        |
|   | Tool drive:  | Flat (~DIN 1809)                     |
|   | Shank size [mm]:                                   | 60.00                                |
|   | Shank type:  | BMT                                  |
|   | Tool adaption:                                     | ER 25 A - u-tec                      |
|   | Gear ratio [i]:                                    | 1:1                                  |
|   | Torque max [Nm]:                                   | 25                                   |
|   | Rotation max [1/min]:                              | 10000                                |
|   | Rotating direction:                                | opposite                             |
|   | Coolant:   | EXT                                  |
|   | Please note:                                       | Note swivel range!; stronger bearing |
|   | Center distance [mm]:                              | 81                                   |
| <b>8 050 65 000</b>   | <b>Multispindle drilling head ER 25 AX UT</b>      |                                      |
|  | Weight [kg]:                                       | 8.260                                |
|   | Version:   | 2-spindles                           |
|   | Tool drive:  | Flat (~DIN 1809)                     |
|   | Shank size [mm]:                                   | 60.00                                |
|   | Shank type:  | BMT                                  |
|   | Tool adaption:                                     | ER 25 A - u-tec                      |
|   | Gear ratio [i]:                                    | 1:1                                  |
|   | Torque max [Nm]:                                   | 32/Sp.                               |
|   | Rotation max [1/min]:                              | 6000                                 |
|   | Rotating direction:                                | opposite                             |
|   | Coolant:   | EXT                                  |
|   | Please note:                                       | stronger bearing                     |
| <b>8 050 65 001</b>   | <b>Multispindle drilling head ER 25 AX UT IC</b>   |                                      |
|   | Weight [kg]:                                       | 8.240                                |
|   | Version:   | 2-spindles                           |
|   | Tool drive:  | Flat (~DIN 1809)                     |
|   | Shank size [mm]:                                   | 60.00                                |
|   | Shank type:  | BMT                                  |
|   | Tool adaption:                                     | ER 25 A - u-tec                      |
|   | Gear ratio [i]:                                    | 1:1                                  |
|   | Torque max [Nm]:                                   | 32/Sp.                               |
|   | Rotation max [1/min]:                              | 6000                                 |
|   | Rotating direction:                                | opposite                             |
|   | Coolant:   | IC/Ext                               |
|   | Pressure max [bar]:                                | 25                                   |
|   | Please note:                                       | stronger bearing                     |
| <b>8 050 65 022</b>   | <b>Multispindle drilling head ER 25 AX UT IC</b>   |                                      |
|  | Weight [kg]:                                       | 8.790                                |
|   | Version:   | 2-spindles                           |
|   | Tool drive:  | Flat (~DIN 1809)                     |
|   | Shank size [mm]:                                   | 60.00                                |
|   | Shank type:  | BMT                                  |
|   | Tool adaption:                                     | ER 25 A - u-tec                      |

| Part-#  | Name  |                         |
|---|---|-------------------------|
|   | Gear ratio [i]:                               | 1:1                     |
|   | Torque max [Nm]:                              | 32/Sp.                  |
|   | Rotation max [1/min]:                         | 10000                   |
|   | Rotating direction:                           | opposite                |
|   | Coolant:                                      | IC/Ext                  |
|   | Pressure max [bar]:                           | 140                     |
|   | Please note:                                  | stronger bearing        |
|   | Offset [mm]:                                  | +35/ -35                |
| <b>8 053 65 014</b>   | <b>Multispindle radial head ER 25 AX UTIK</b> |                         |
|  | Weight [kg]:                                  | 14.270                  |
|   | Notation:                                     | 180° reversible         |
|   | Version:                                      | 2-spindles              |
|   | Tool drive:                                   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                              | 60.00                   |
|   | Shank type:                                   | BMT                     |
|   | Tool adaption:                                | ER 25 A - u-tec         |
|   | Gear ratio [i]:                               | 1:1                     |
|   | Torque max [Nm]:                              | 32/Sp                   |
|   | Rotation max [1/min]:                         | 10000                   |
|   | Rotating direction:                           | same                    |
|   | Coolant:                                      | IC/Ext                  |
|   | Pressure max [bar]:                           | 140                     |
|   | Center distance [mm]:                         | 90                      |
|   | Offset [mm]:                                  | ±35                     |
| <b>8 200 64 001</b>   | <b>Cover plate</b>                            |                         |
|   | Weight [kg]:                                  | 2.610                   |
|   | Shank type:                                   | BMT                     |
| <b>8 202 10 010</b>   | <b>Basic holder longitudinal seat FN 12</b>   |                         |
|   | Weight [kg]:                                  | 2.370                   |
|   | Notation:                                     | 180° reversible         |
|   | Shank type:                                   | BMT                     |
|   | Machine adaption:                             | Centering key slot b 20 |
|   | Tool adaption:                                | Interface FN 12         |
|   | Coolant:                                      | EXT                     |
| <b>8 224 12 007</b>   | <b>Cut-off holder sq. 25</b>                  |                         |
|   | Weight [kg]:                                  | 3.500                   |
|   | Shank type:                                   | BMT                     |
|   | Machine adaption:                             | Centering key slot b 20 |
|   | Tool adaption:                                | Sq. 25                  |
|   | Coolant:                                      | EXT                     |
| <b>8 224 12 017</b>   | <b>Cut-off holder sq. 1"</b>                  |                         |
|   | Weight [kg]:                                  | 4.050                   |
|   | Shank type:                                   | BMT                     |
|   | Machine adaption:                             | Centering key slot b 20 |
|   | Tool adaption:                                | Sq. 1" (25,4mm)         |
|   | Coolant:                                      | EXT                     |

| Part-#              | Name                                   |                               |
|---------------------|--|-------------------------------|
| <b>8 224 14 002</b> | <b>Universal turning holder sq. 20</b> |                               |
|                     | Weight [kg]:                           | 4.910                         |
|                     | Shank type:                            | BMT                           |
|                     | Machine adaption:                      | Centering key slot b 20       |
|                     | Tool adaption:                         | Sq. 20                        |
|                     |  | Sq. 20                        |
|                     | Coolant:                               | EXT                           |
|                     | Pressure max [bar]:                    | 80                            |
| <b>8 224 15 003</b> | <b>Universal turning holder sq. 25</b> |                               |
|                     | Weight [kg]:                           | 5.460                         |
|                     | Shank type:                            | BMT                           |
|                     | Machine adaption:                      | Centering key slot b 20       |
|                     | Tool adaption:                         | Sq. 25                        |
|                     |  | Sq. 25                        |
|                     | Coolant:                               | EXT                           |
|                     | Pressure max [bar]:                    | 80                            |
| <b>8 224 15 014</b> | <b>Universal turning holder sq. 1"</b> |                               |
|                     | Weight [kg]:                           | 5.560                         |
|                     | Shank type:                            | BMT                           |
|                     | Machine adaption:                      | Centering key slot b 20       |
|                     | Tool adaption:                         | Sq. 1" (25,4mm)               |
|                     |  | Sq. 1" (25,4mm)               |
|                     | Coolant:                               | EXT                           |
| <b>8 240 14 003</b> | <b>Insert drill holder 12 IC</b>       |                               |
|                     | Weight [kg]:                           | 8.870                         |
|                     | Notation:                              | 180° reversible               |
|                     | Shank type:                            | BMT                           |
|                     | Machine adaption:                      | Centering key slot b 20       |
|                     | Tool adaption:                         | Whistle-Notch (DIN 1835 E) 12 |
|                     | Coolant:                               | IC                            |
|                     | Center distance [mm]:                  | 80                            |
| <b>8 240 15 014</b> | <b>Insert drill holder 16 IC</b>       |                               |
|                     | Weight [kg]:                           | 8.820                         |
|                     | Notation:                              | 180° reversible               |
|                     | Shank type:                            | BMT                           |
|                     | Machine adaption:                      | Centering key slot b 20       |
|                     | Tool adaption:                         | Whistle-Notch (DIN 1835 E) 16 |
|                     | Coolant:                               | IC                            |
|                     | Center distance [mm]:                  | 80                            |
| <b>8 240 16 039</b> | <b>Collet chuck holder ER 32</b>       |                               |
|                     | Weight [kg]:                           | 7.570                         |
|                     | Notation:                              | 180° reversible               |
|                     | Shank size [mm]:                       | 59.70                         |
|                     | Shank type:                            | BMT                           |
|                     | Machine adaption:                      | Centering key slot b 20       |
|                     | Tool adaption:                         | ER 32                         |
|                     | Coolant:                               | IC/Ext                        |
|                     | Pressure max [bar]:                    | 80                            |
|                     | Please note:                           | Insert reversible             |
|                     | Center distance [mm]:                  | 80                            |

| Part-#  | Name                              |  |
|---|-----------------------------------|--|
| <b>8 240 16 057</b>   | <b>Tool holder ABS 63</b>         |  |
|   | Weight [kg]:                      | 8.050                                  |
|   | Notation:                         | 180° reversible                        |
|   | Shank size [mm]:                  | 59.70                                  |
|   | Shank type:                       | BMT                                    |
|   | Machine adaption:                 | Centering key slot b 20                |
|   | Tool adaption:                    | ABS 63                                 |
|   | Coolant:                          | IC/Ext                                 |
|   | Please note:                      | Insert reversible                      |
|   | Center distance [mm]:             | 80                                     |
| <b>8 240 17 022</b>   | <b>Collet chuck holder ER 40</b>  |  |
|   | Weight [kg]:                      | 7.720                                  |
|   | Notation:                         | 180° reversible                        |
|   | Shank size [mm]:                  | 59.70                                  |
|   | Shank type:                       | BMT                                    |
|   | Machine adaption:                 | Centering key slot b 20                |
|   | Tool adaption:                    | ER 40                                  |
|   | Coolant:                          | IC/Ext                                 |
|   | Pressure max [bar]:               | 80                                     |
|   | Please note:                      | Insert reversible                      |
|   | Center distance [mm]:             | 80                                     |
| <b>8 240 17 112</b>   | <b>Boring bar holder Ø 1 1/4"</b> |  |
|  | Weight [kg]:                      | 9.010                                  |
|   | Notation:                         | 180° reversible                        |
|   | Shank size [mm]:                  | 59.70                                  |
|   | Shank type:                       | BMT                                    |
|   | Machine adaption:                 | Centering key slot b 20                |
|   | Tool adaption:                    | Ø 1 1/4" (31,75mm)                     |
|   | Coolant:                          | IC/Ext                                 |
|   | Center distance [mm]:             | 80                                     |
| <b>8 240 18 019</b>   | <b>Tool holder HT 6</b>           |  |
|   | Weight [kg]:                      | 7.900                                  |
|   | Notation:                         | 180° reversible                        |
|   | Shank type:                       | BMT                                    |
|   | Machine adaption:                 | Centering key slot b 20                |
|   | Tool adaption:                    | HT 6                                   |
|   | Coolant:                          | IC/Ext                                 |
|   | Please note:                      | Insert reversible                      |
|   | Center distance [mm]:             | 80                                     |
| <b>8 240 18 034</b>   | <b>Tool holder C 6 IC</b>         |  |
|  | Weight [kg]:                      | 13.920                                 |
|   | Shank type:                       | BMT                                    |
|   | Machine adaption:                 | Centering key slot b 20                |
|   | Tool adaption:                    | heimatec Capto(TM) C 6                 |
|   | Coolant:                          | IC                                     |
|   | Please note:                      | Check applicability; note tool length! |
|   | Center distance [mm]:             | 110                                    |

| Part-#  | Name                             |   |
|---|----------------------------------|---|
| <b>8 240 18 075</b>   | <b>Insert drill holder 32 IC</b> |   |
|   | Weight [kg]:                     | 9.620                                       |
|   | Notation:                        | 180° reversible                             |
|   | Shank size [mm]:                 | 60.00                                       |
|   | Shank type:                      | BMT   |
|   | Machine adaption:                | Centering key slot b 20                     |
|   | Tool adaption:                   | Ø 32  |
|   | Coolant:                         | IC  |
|   | Center distance [mm]:            | 80  |
| <b>8 240 19 015</b>   | <b>Boring bar holder Ø 40</b>    |   |
|  | Weight [kg]:                     | 8.440                                       |
|   | Notation:                        | 180° reversible                             |
|   | Shank size [mm]:                 | 59.70                                       |
|   | Shank type:                      | BMT   |
|   | Machine adaption:                | Centering key slot b 20                     |
|   | Tool adaption:                   | Ø 40  |
|   | Coolant:                         | IC/Ext                                      |
|   | Pressure max [bar]:              | 80  |
|   | Center distance [mm]:            | 80  |
| <b>8 240 19 016</b>   | <b>Boring bar holder Ø 50</b>    |   |
|   | Weight [kg]:                     | 8.170                                       |
|   | Notation:                        | 180° reversible                             |
|   | Shank type:                      | BMT   |
|   | Machine adaption:                | Centering key slot b 20                     |
|   | Tool adaption:                   | Ø 50  |
|   | Coolant:                         | IC/Ext                                      |
|   | Pressure max [bar]:              | 80  |
|   | Center distance [mm]:            | 80  |
| <b>8 240 19 018</b>   | <b>Boring bar holder Ø 50</b>    |   |
|   | Weight [kg]:                     | 12.160                                      |
|   | Employment for:                  | Heavy duty cutting                          |
|   | Version:                         | long  |
|   | Shank type:                      | BMT   |
|   | Machine adaption:                | Centering key slot b 20                     |
|   | Tool adaption:                   | Ø 50  |
|   | Coolant:                         | IC/Ext                                      |
|   | Please note:                     | optimum assembly with 8 788 99 000 possible |
|   | Center distance [mm]:            | 80  |
| <b>8 240 19 033</b>   | <b>Boring bar holder Ø 40</b>    |   |
|   | Weight [kg]:                     | 11.210                                      |
|   | Notation:                        | 180° reversible                             |
|   | Version:                         | long  |
|   | Shank type:                      | BMT   |
|   | Machine adaption:                | Centering key slot b 20                     |
|   | Tool adaption:                   | Ø 40  |
|   | Coolant:                         | IC/Ext                                      |
|   | Pressure max [bar]:              | 80  |
|   | Center distance [mm]:            | 120   |

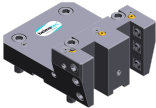
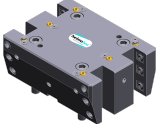


| Part-#  | Name                              |                         |
|---|-----------------------------------|-------------------------|
| <b>8 240 19 035</b>   | <b>Boring bar holder Ø 1 1/2"</b> |                         |
|   | Weight [kg]:                      | 8.780                   |
|   | Notation:                         | 180° reversible         |
|   | Shank size [mm]:                  | 59.70                   |
|   | Shank type:                       | BMT                     |
|   | Machine adaption:                 | Centering key slot b 20 |
|   | Tool adaption:                    | Ø 1 1/2" (38,1mm)       |
|   | Coolant:                          | IC/Ext                  |
|   | Center distance [mm]:             | 80                      |
| <b>8 240 19 041</b>   | <b>Insert drill holder 40 IC</b>  |                         |
|   | Weight [kg]:                      | 9.270                   |
|   | Notation:                         | 180° reversible         |
|   | Shank type:                       | BMT                     |
|   | Machine adaption:                 | Centering key slot b 20 |
|   | Tool adaption:                    | Ø 40                    |
|   | Coolant:                          | IC                      |
|   | Center distance [mm]:             | 80                      |
| <b>8 240 19 050</b>   | <b>Boring bar holder Ø 2"</b>     |                         |
|   | Weight [kg]:                      | 8.120                   |
|   | Notation:                         | 180° reversible         |
|   | Shank size [mm]:                  | 59.70                   |
|   | Shank type:                       | BMT                     |
|   | Machine adaption:                 | Centering key slot b 20 |
|   | Tool adaption:                    | Ø 2" (50,8mm)           |
|   | Coolant:                          | IC/Ext                  |
|   | Center distance [mm]:             | 80                      |
| <b>8 240 19 082</b>   | <b>Boring bar holder Ø 1 1/2"</b> |                         |
|  | Weight [kg]:                      | 11.500                  |
|   | Notation:                         | 180° reversible         |
|   | Shank type:                       | BMT                     |
|   | Machine adaption:                 | Centering key slot b 20 |
|   | Tool adaption:                    | Ø 1 1/2" (38,1mm)       |
|   | Coolant:                          | IC/Ext                  |
|   | Center distance [mm]:             | 120                     |
| <b>8 240 19 083</b>   | <b>Boring bar holder Ø 2"</b>     |                         |
|   | Weight [kg]:                      | 10.940                  |
|   | Notation:                         | 180° reversible         |
|   | Shank type:                       | BMT                     |
|   | Machine adaption:                 | Centering key slot b 20 |
|   | Tool adaption:                    | Ø 2" (50,8mm)           |
|   | Coolant:                          | IC/Ext                  |
|   | Center distance [mm]:             | 120                     |
| <b>8 240 19 084</b>   | <b>Boring bar holder Ø 2 1/2"</b> |                         |
|  | Weight [kg]:                      | 8.580                   |
|   | Notation:                         | 180° reversible         |
|   | Shank type:                       | BMT                     |
|   | Machine adaption:                 | Centering key slot b 20 |
|   | Tool adaption:                    | Ø 2 1/2" (63,5mm)       |
|   | Coolant:                          | IC/Ext                  |
|   | Center distance [mm]:             | 80                      |

| Part-#              | Name                                    |  |
|---------------------|---|--|
| <b>8 240 19 107</b> | <b>Boring bar holder Ø 40</b>           |  |
|                     | Weight [kg]:                            | 10.200                                 |
|                     | Notation:                               | 180° reversible                        |
|                     | Shank type:                             | BMT                                    |
|                     | Machine adaption:                       | Centering key slot b 20                |
|                     | Tool adaption:                          | Ø 40                                   |
|                     | Coolant:                                | IC/Ext                                 |
|                     | Center distance [mm]:                   | 100                                    |
| <b>8 244 15 001</b> | <b>Combi facing holder sq. 25</b>       |  |
|                     | Weight [kg]:                            | 9.600                                  |
|                     | Notation:                               | 180° reversible                        |
|                     | Shank type:                             | BMT                                    |
|                     | Machine adaption:                       | Centering key slot b 20                |
|                     | Tool adaption:                          | Sq. 25                                 |
|                     |   | Sq. 25                                 |
|                     | Coolant:                                | EXT                                    |
|                     | Pressure max [bar]:                     | 80                                     |
|                     | Center distance [mm]:                   | 75                                     |
| <b>8 244 15 004</b> | <b>Combi facing holder sq. 1"</b>       |  |
|                     | Weight [kg]:                            | 9.610                                  |
|                     | Notation:                               | 180° reversible                        |
|                     | Shank type:                             | BMT                                    |
|                     | Machine adaption:                       | Centering key slot b 20                |
|                     | Tool adaption:                          | Sq. 1" (25,4mm)                        |
|                     |   | Sq. 1" (25,4mm)                        |
|                     | Coolant:                                | EXT                                    |
|                     | Center distance [mm]:                   | 75                                     |
| <b>8 249 16 004</b> | <b>Double collet chuck holder ER 32</b> |  |
|                     | Weight [kg]:                            | 8.040                                  |
|                     | Notation:                               | 180° reversible                        |
|                     | Employment for:                         | Main- and sub spindle                  |
|                     | Shank type:                             | BMT                                    |
|                     | Machine adaption:                       | Centering key slot b 20                |
|                     | Tool adaption:                          | ER 32                                  |
|                     | Coolant:                                | IC/Ext                                 |
|                     | Pressure max [bar]:                     | 80                                     |
|                     | Center distance [mm]:                   | 80                                     |
| <b>8 249 16 006</b> | <b>Double tool holder C 4 IC</b>        |  |
|                     | Weight [kg]:                            | 7.570                                  |
|                     | Notation:                               | 180° reversible                        |
|                     | Employment for:                         | Main- and sub spindle                  |
|                     | Version:                                | right                                  |
|                     | Shank type:                             | BMT                                    |
|                     | Machine adaption:                       | Centering key slot b 20                |
|                     | Tool adaption:                          | heimatec Capto(TM) C 4                 |
|                     |   | heimatec Capto(TM) C 4                 |
|                     | Coolant:                                | IC                                     |
|                     | Please note:                            | Check applicability; note tool length! |
|                     | Center distance [mm]:                   | 90                                     |

| Part-#              | Name                                      |                         |
|---------------------|---|-------------------------|
| <b>8 249 16 010</b> | <b>Double collet chuck holder ER 32</b>   |                         |
|                     | Weight [kg]:                              | 11.370                  |
|                     | Notation:                                 | 180° reversible         |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | ER 32                   |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Pressure max [bar]:                       | 80                      |
|                     | Center distance [mm]:                     | 120                     |
| <b>8 249 17 002</b> | <b>Double collet chuck holder ER 40</b>   |                         |
|                     | Weight [kg]:                              | 8.330                   |
|                     | Notation:                                 | 180° reversible         |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank size [mm]:                          | 59.70                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | ER 40                   |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Pressure max [bar]:                       | 80                      |
|                     | Center distance [mm]:                     | 80                      |
| <b>8 249 18 000</b> | <b>Double tool holder HT 6</b>            |                         |
|                     | Notation:                                 | 180° reversible         |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | HT 6                    |
|                     | Coolant:                                  | EXT                     |
|                     | Center distance [mm]:                     | 80                      |
| <b>8 251 14 007</b> | <b>Combi double turning holder sq. 20</b> |                         |
|                     | Weight [kg]:                              | 7.800                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | Sq. 20                  |
|                     | Coolant:                                  | EXT                     |
| <b>8 251 15 001</b> | <b>Combi double turning holder sq. 25</b> |                         |
|                     | Weight [kg]:                              | 8.280                   |
|                     | Version:                                  | short                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | Sq. 25                  |
|                     |   | Sq. 25                  |
|                     |   | Sq. 25                  |
|                     |   | Sq. 25                  |
|                     | Coolant:                                  | EXT                     |
|                     | Pressure max [bar]:                       | 80                      |
| <b>8 251 15 002</b> | <b>Combi double turning holder sq. 25</b> |                         |
|                     | Weight [kg]:                              | 10.020                  |
|                     | Version:                                  | extended                |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | Sq. 25                  |
|                     |   | Sq. 25                  |

| Part-#              | Name                                      |                         |
|---------------------|---|-------------------------|
|                     |   | Sq. 25                  |
|                     |   | Sq. 25                  |
|                     | Coolant:                                  | EXT                     |
|                     | Pressure max [bar]:                       | 80                      |
| <b>8 251 15 009</b> | <b>Combi double turning holder sq. 1"</b> |                         |
|                     | Weight [kg]:                              | 8.290                   |
|                     | Version:                                  | short                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | Sq. 1" (25,4mm)         |
|                     | Coolant:                                  | EXT                     |
| <b>8 251 15 010</b> | <b>Combi double turning holder sq. 1"</b> |                         |
|                     | Weight [kg]:                              | 10.030                  |
|                     | Version:                                  | long                    |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key slot b 20 |
|                     | Tool adaption:                            | Sq. 1" (25,4mm)         |
|                     | Coolant:                                  | EXT                     |
| <b>8 253 18 001</b> | <b>Double boring bar holder Ø 32</b>      |                         |
|                     | Weight [kg]:                              | 11.900                  |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key b 20      |
|                     | Tool adaption:                            | Ø 32                    |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Pressure max [bar]:                       | 80                      |
|                     | Center distance [mm]:                     | 80/125                  |
| <b>8 253 18 007</b> | <b>Double boring bar holder Ø 1 1/4"</b>  |                         |
|                     | Weight [kg]:                              | 12.440                  |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank size [mm]:                          | 59.70                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key b 20      |
|                     | Tool adaption:                            | Ø 1 1/4" (31,75mm)      |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Center distance [mm]:                     | 80/125                  |
| <b>8 253 18 010</b> | <b>Double boring bar holder Ø 1 1/2"</b>  |                         |
|                     | Weight [kg]:                              | 11.260                  |
|                     | Employment for:                           | Main- and sub spindle   |
|                     | Shank size [mm]:                          | 59.70                   |
|                     | Shank type:                               | BMT                     |
|                     | Machine adaption:                         | Centering key b 20      |
|                     | Tool adaption:                            | Ø 1 1/2" (38,1mm)       |
|                     | Coolant:                                  | IC/Ext                  |
|                     | Center distance [mm]:                     | 65/120                  |



| Part-#  | Name  |  |
|---|---|--|
| <b>8 259 12 001</b>   | <b>Multiple turning holder sq. 25 / 1"</b>        |  |
|    | Weight [kg]:                                      | 6.470  |
|   | Notation:   | 180° reversible  |
|   | Version:  | Y-axes offset  |
|   | Shank type:                                       | BMT  |
|   | Machine adaption:                                 | Centering key slot b 20  |
|   | Tool adaption:                                    | Sq. 25   |
|   |   | Sq. 25   |
|   | Coolant:  | EXT  |
| <b>8 259 12 002</b>   | <b>Multiple turning holder sq. 25 / 1"</b>        |  |
|    | Weight [kg]:                                      | 11.830   |
|   | Employment for:                                   | Main- and sub spindle  |
|   | Version:  | Y-axes offset  |
|   | Shank type:                                       | BMT  |
|   | Machine adaption:                                 | Centering key slot b 20  |
|   | Tool adaption:                                    | Sq. 25/1" (25,4mm)   |
|   |   | Sq. 25/1" (25,4mm)   |
|   |   | Sq. 25/1" (25,4mm)   |
|   |   | Sq. 25/1" (25,4mm)   |
|   | Coolant:  | EXT  |
| <b>8 320 13 009</b>   | <b>Cut-off holder, height adjustable SH 32 IC</b> |  |
|  | Weight [kg]:                                      | 2.990  |
|   | Notation:   | 180° reversible  |
|   | Shank type:                                       | BMT  |
|   | Machine adaption:                                 | Centering key slot b 20  |
|   | Tool adaption:                                    | Clampshaft SH 32   |
|   | Coolant:  | IC/Ext   |
|   | Pressure max [bar]:                               | 70   |
| <b>8 320 19 005</b>   | <b>Cut-off holder, height adjustable 845 IC</b>   |  |
|   | Weight [kg]:                                      | 2.830  |
|   | Notation:   | 180° reversible  |
|   | Shank type:                                       | BMT  |
|   | Machine adaption:                                 | Centering key slot b 20  |
|   | Tool adaption:                                    |  System 845 |
|   | Coolant:  | IC   |
|   | Pressure max [bar]:                               | 70   |



● heimatec overseas branches

○ global representations of heimatec

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