

SMEC  
**PL 2000**  
**Y/SY/MS**



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

heimatec belongs to the international technology and quality leaders for precision tools and specializes in the development and production of high-precision static and live tools for all CNC lathes, CNC turn-/mill machines and CNC machining centers.

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

## \*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems

Tool systems for gear production

Digital tool management

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Part-#

Name

**8 010 66 132****Axial drilling and milling head ER 32 AS UT**

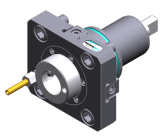
Weight [kg]: 3.340  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 6000  
 Rotating direction: same  
 Coolant: EXT  
 Please note: short version

**8 010 66 143****Axial drilling and milling head ER 32 AX UT IC**

Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 70  
 Rotation max [1/min]: 12000  
 Rotating direction: same  
 Coolant: IC/Ext  
 Pressure max [bar]: 100  
 Please note: Dryrun possible

**8 010 66 145****Axial drilling and milling head ER 32 AX UT**

Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 70  
 Rotation max [1/min]: 12000  
 Rotating direction: same  
 Coolant: EXT  
 Pressure max [bar]: 140

**8 010 67 025****Axial drilling and milling head HT 5**

Weight [kg]: 3.065  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: HT 5  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 6000  
 Rotating direction: same  
 Coolant: EXT

Part-#

Name

**8 010 67 026****Axial drilling and milling head HT 5 IC**

|                       |                  |
|-----------------------|------------------|
| Weight [kg]:          | 3.210            |
| Tool drive:           | Flat (~DIN 1809) |
| Shank size [mm]:      | 65.00            |
| Shank type:           | BMT              |
| Tool adaption:        | HT 5             |
| Gear ratio [i]:       | 1:1              |
| Torque max [Nm]:      | 50               |
| Rotation max [1/min]: | 6000             |
| Rotating direction:   | same             |
| Coolant:              | IC/Ext           |
| Pressure max [bar]:   | 25               |

**8 010 67 132****Axial drilling and milling head ER 40 AX UT**

|                       |                  |
|-----------------------|------------------|
| Weight [kg]:          | 4.870            |
| Tool drive:           | Flat (~DIN 1809) |
| Shank size [mm]:      | 65.00            |
| Shank type:           | BMT              |
| Tool adaption:        | ER 40 A - u-tec  |
| Gear ratio [i]:       | 1:1              |
| Torque max [Nm]:      | 50               |
| Rotation max [1/min]: | 5000             |
| Rotating direction:   | same             |
| Coolant:              | EXT              |
| Please note:          | Combi bearing    |

**8 013 64 008****Axial drilling and milling head ER 16 AX UT**

|                       |                  |
|-----------------------|------------------|
| Weight [kg]:          | 4.050            |
| Tool drive:           | Flat (~DIN 1809) |
| Shank size [mm]:      | 65.00            |
| 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              |

**8 013 64 009****Axial drilling and milling head ER 16 AX UT IC**

|                       |                  |
|-----------------------|------------------|
| Tool drive:           | Flat (~DIN 1809) |
| Shank size [mm]:      | 65.00            |
| 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              |

Part-#

Name

**8 019 65 019****Axial drilling and milling head ER 25 AX UT IC**

Weight [kg]: 7.790  
 Notation: offset; 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 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: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Please note: stronger bearing  
 Offset [mm]: 50

**8 019 65 025****Axial drilling and milling head ER 25 AX UT**


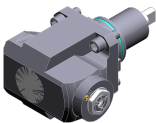
Weight [kg]: 6.500  
 Notation: offset; 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 25 A - u-tec  
 Gear ratio [i]: 1:3  
 Torque max [Nm]: 12  
 Rotation max [1/min]: 15000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: stronger bearing  
 Offset [mm]: 50

**8 019 65 027****Axial drilling and milling head ER 25 AX UT IC**

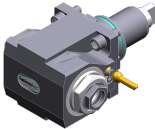
Weight [kg]: 7.850  
 Notation: offset; 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 25 A - u-tec  
 Gear ratio [i]: 1:2  
 Torque max [Nm]: 40  
 Rotation max [1/min]: 12000  
 Rotating direction: opposite  
 Coolant: IC/Ext  
 Pressure max [bar]: 140  
 Please note: stronger bearing  
 Offset [mm]: 50


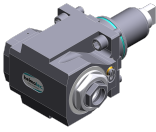
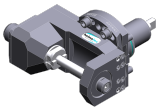
**8 019 65 067****Axial drilling and milling head ER 25 AX UT**

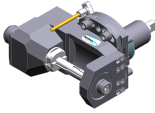
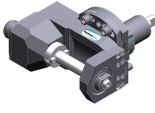
Weight [kg]: 6.030  
 Notation: offset; 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 65.00  
 Shank type: BMT  
 Tool adaption: ER 25 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 50

| Part-#  | Name  |                         |
|---|---|-------------------------|
|   | Rotation max [1/min]:                                 | 6000                    |
|   | Rotating direction:                                   | opposite                |
|   | Coolant:  | EXT                     |
|   | Please note:  | stronger bearing        |
|   | Offset [mm]:  | 50                      |
| <b>8 019 66 014</b>   | <b>Axial drilling and milling head ER 32 AX UT IC</b> |                         |
|    | Weight [kg]:  | 10.740                  |
|   | Notation:   | offset;                 |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 65.00                   |
|   | 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:                                   | opposite                |
|   | Coolant:  | IC/Ext                  |
|   | Pressure max [bar]:                                   | 140                     |
|   | Please note:  | stronger bearing        |
|   | Offset [mm]:  | 75                      |
| <b>8 019 66 017</b>   | <b>Axial drilling and milling head ER 32 AX UT</b>    |                         |
|   | Weight [kg]:  | 7.590                   |
|   | Notation:   | offset; 180° reversible |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 65.00                   |
|   | 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>8 030 64 021</b>   | <b>Radial drilling and milling head ER 16 AX UT</b>   |                         |
|  | Weight [kg]:  | 8.030                   |
|   | Notation:   | 180° reversible         |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 65.00                   |
|   | 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:  | EXT                     |
|   | Center distance [mm]:                                 | 72                      |

| Part-#              | Name   |
|---------------------|--|
| <b>8 030 64 023</b> | <b>Radial drilling and milling head ER 16 AX UT IC</b> |
|                     | Weight [kg]: 8.540                                     |
|                     | Notation: 180° reversible                              |
|                     | Tool drive: Flat (~DIN 1809)                           |
|                     | Shank size [mm]: 65.00                                 |
|                     | 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]: 72                               |
| <b>8 030 65 095</b> | <b>Radial drilling and milling head ER 25 AS UT</b>    |
|                     | Weight [kg]: 7.730                                     |
|                     | Notation: 180° reversible                              |
|                     | Tool drive: Flat (~DIN 1809)                           |
|                     | Shank size [mm]: 65.00                                 |
|                     | Shank type: BMT  |
|                     | Tool adaption: ER 25 A - u-tec                         |
|                     | Gear ratio [i]: 1:1                                    |
|                     | Torque max [Nm]: 70                                    |
|                     | Rotation max [1/min]: 10000                            |
|                     | Rotating direction: same                               |
|                     | Coolant: EXT   |
|                     | Center distance [mm]: 72                               |
| <b>8 030 65 097</b> | <b>Radial drilling and milling head ER 25 AS UT IC</b> |
|                     | Weight [kg]: 8.550                                     |
|                     | Notation: 180° reversible                              |
|                     | Tool drive: Flat (~DIN 1809)                           |
|                     | Shank size [mm]: 65.00                                 |
|                     | Shank type: BMT  |
|                     | Tool adaption: ER 25 A - u-tec                         |
|                     | Gear ratio [i]: 1:1                                    |
|                     | Torque max [Nm]: 70                                    |
|                     | Rotation max [1/min]: 10000                            |
|                     | Rotating direction: same                               |
|                     | Coolant: IC/Ext  |
|                     | Pressure max [bar]: 140                                |
|                     | Center distance [mm]: 72                               |
| <b>8 030 66 123</b> | <b>Radial drilling and milling head ER 32 AS UT IC</b> |
|                     | Weight [kg]: 8.450                                     |
|                     | Notation: 180° reversible                              |
|                     | Tool drive: Flat (~DIN 1809)                           |
|                     | Shank size [mm]: 65.00                                 |
|                     | Shank type: BMT  |
|                     | Tool adaption: ER 32 A - u-tec                         |
|                     | Gear ratio [i]: 1:1                                    |
|                     | Torque max [Nm]: 70                                    |
|                     | Rotation max [1/min]: 6000                             |
|                     | Rotating direction: same                               |
|                     | Coolant: IC/Ext  |
|                     | Pressure max [bar]: 140                                |
|                     | Please note: stronger bearing                          |

| Part-#  | Name   |  |
|---|--|--|
|   | Center distance [mm]:                                  | 72                                     |
| <b>8 030 66 155</b>   | <b>Radial drilling and milling head ER 32 AS UT</b>    |  |
|  | Notation:  | 180° reversible                        |
|   | Tool drive:  | Flat (~DIN 1809)                       |
|   | Shank size [mm]:                                       | 65.00                                  |
|   | 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                                    |
|   | Center distance [mm]:                                  | 72                                     |
| <b>8 030 66 158</b>   | <b>Radial drilling and milling head ER 32 AS UT IC</b> |  |
|   | Weight [kg]:   | 9.150                                  |
|   | Notation:  | 180° reversible                        |
|   | Tool drive:  | Flat (~DIN 1809)                       |
|   | Shank size [mm]:                                       | 65.00                                  |
|   | 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:   | Rotating direction note; combi bearing |
|   | Center distance [mm]:                                  | 72                                     |
| <b>8 030 66 224</b>   | <b>Radial drilling and milling head C 4 IC</b>         |  |
|   | Weight [kg]:   | 10.070                                 |
|   | Notation:  | 180° reversible                        |
|   | Tool drive:  | Flat (~DIN 1809)                       |
|   | Shank size [mm]:                                       | 65.00                                  |
|   | 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:   | IC/Ext                                 |
|   | Pressure max [bar]:                                    | 140                                    |
|   | Please note:   | Check applicability; note tool length! |
|   | Center distance [mm]:                                  | 72                                     |
| <b>8 030 66 229</b>   | <b>Radial drilling and milling head ER 32 IC</b>       |  |
|   | Weight [kg]:   | 8.630                                  |
|   | Notation:  | 180° reversible                        |
|   | Tool drive:  | Flat (~DIN 1809)                       |
|   | Shank size [mm]:                                       | 65.00                                  |
|   | Shank type:  | BMT                                    |
|   | Tool adaption:   | ER 32                                  |
|   | Gear ratio [i]:  | 1:1                                    |
|   | Torque max [Nm]:                                       | 70                                     |
|   | Rotation max [1/min]:                                  | 6000                                   |

| Part-#  | Name   |                  |
|---|--|------------------|
|   | Rotating direction:                                    | same             |
|   | Coolant:   | IC/Ext           |
|   | Pressure max [bar]:                                    | 140              |
|   | Center distance [mm]:                                  | 72               |
| <b>8 030 66 239</b>   | <b>Radial drilling and milling head ER 32 AS UT</b>    |                  |
|    | Weight [kg]:   | 8.200            |
|   | Notation:  | 180° reversible  |
|   | Tool drive:  | Flat (~DIN 1809) |
|   | Shank size [mm]:                                       | 65.00            |
|   | Shank type:  | BMT              |
|   | Tool adaption:   | ER 32 A - u-tec  |
|   | Gear ratio [i]:  | 1:1              |
|   | Torque max [Nm]:                                       | 70               |
|   | Rotation max [1/min]:                                  | 10000            |
|   | Rotating direction:                                    | same             |
|   | Coolant:   | EXT              |
|   | Pressure max [bar]:                                    | 140              |
|   | Center distance [mm]:                                  | 72               |
| <b>8 030 66 243</b>   | <b>Radial drilling and milling head ER 32 AS UT IC</b> |                  |
|  | Weight [kg]:   | 8.500            |
|   | Notation:  | 180° reversible  |
|   | Tool drive:  | Flat (~DIN 1809) |
|   | Shank size [mm]:                                       | 65.00            |
|   | Shank type:  | BMT              |
|   | Tool adaption:   | ER 32 A - u-tec  |
|   | Gear ratio [i]:  | 1:1              |
|   | Torque max [Nm]:                                       | 70               |
|   | Rotation max [1/min]:                                  | 10000            |
|   | Rotating direction:                                    | same             |
|   | Coolant:   | IC/Ext           |
|   | Pressure max [bar]:                                    | 140              |
|   | Center distance [mm]:                                  | 72               |
| <b>8 030 67 153</b>   | <b>Radial drilling and milling head ER 40 AX UT</b>    |                  |
|   | Weight [kg]:   | 8.260            |
|   | Notation:  | 180° reversible  |
|   | Tool drive:  | Flat (~DIN 1809) |
|   | Shank size [mm]:                                       | 65.00            |
|   | Shank type:  | BMT              |
|   | Tool adaption:   | ER 40 A - u-tec  |
|   | Gear ratio [i]:  | 1:1              |
|   | Torque max [Nm]:                                       | 70               |
|   | Rotation max [1/min]:                                  | 6000             |
|   | Rotating direction:                                    | same             |
|   | Coolant:   | EXT              |
|   | Please note:   | stronger bearing |
|   | Center distance [mm]:                                  | 72               |
| <b>8 037 64 039</b>   | <b>Radial disk mill head arbor 16</b>                  |                  |
|  | Weight [kg]:   | 11.860           |
|   | Tool drive:  | Flat (~DIN 1809) |
|   | Shank size [mm]:                                       | 65.00            |
|   | Shank type:  | BMT              |
|   | Tool adaption:   | Arbor 16         |
|   | Gear ratio [i]:  | 2:1              |


| Part-#  | Name  |                                       |
|---|---|---------------------------------------|
|   | Torque max [Nm]:                                    | 63                                    |
|   | Rotation max [1/min]:                               | 3000                                  |
|   | Rotating direction:                                 | same                                  |
|   | Coolant:  | no                                    |
|   | Please note:  | strong version; stronger bearing; use |
|   | Center distance [mm]:                               | 87,5                                  |
| <b>8 037 64 040</b>   | <b>Radial disk mill head arbor 16</b>               |                                       |
|    | Weight [kg]:  | 11.610                                |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                    | 65.00                                 |
|   | Shank type:   | BMT                                   |
|   | Tool adaption:                                      | Arbor 16                              |
|   | 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; use |
|   | Center distance [mm]:                               | 87,5                                  |
| <b>8 037 65 008</b>   | <b>Radial disk mill head arbor 22</b>               |                                       |
|  | Weight [kg]:  | 12.060                                |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                    | 65.00                                 |
|   | 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:  | no                                    |
|   | Please note:  | strong version; stronger bearing; use |
|   | Center distance [mm]:                               | 87,5                                  |
| <b>8 039 65 033</b>   | <b>Radial drilling and milling head ER 25 AX UT</b> |                                       |
|   | Weight [kg]:  | 7.930                                 |
|   | Notation:   | 180° reversible                       |
|   | Employment for:                                     | Main- and sub spindle                 |
|   | Version:  | double spindle                        |
|   | Tool drive:   | Flat (~DIN 1809)                      |
|   | Shank size [mm]:                                    | 65.00                                 |
|   | Shank type:   | BMT                                   |
|   | Tool adaption:                                      | ER 25 A - u-tec                       |
|   | Gear ratio [i]:                                     | 1:2                                   |
|   | Torque max [Nm]:                                    | 16                                    |
|   | Rotation max [1/min]:                               | 12000                                 |
|   | Rotating direction:                                 | same/opposite                         |
|   | Coolant:  | EXT                                   |
|   | Please note:  | stronger bearing                      |
|   | Center distance [mm]:                               | 80                                    |

| Part-#  | Name  |                                     |
|---|---|-------------------------------------|
| <b>8 039 66 025</b>   | <b>Radial drilling and milling head ER 32 AS UT</b> |                                     |
|    | Weight [kg]:  | 8.700                               |
|   | Notation:   | 180° reversible                     |
|   | Employment for:                                     | Main- and sub spindle               |
|   | Version:  | double spindle                      |
|   | Tool drive:   | Flat (~DIN 1809)                    |
|   | Shank size [mm]:                                    | 65.00                               |
|   | Shank type:   | BMT                                 |
|   | Tool adaption:                                      | ER 32 A - u-tec                     |
|   | Gear ratio [i]:                                     | 1:1                                 |
|   | Torque max [Nm]:                                    | 70                                  |
|   | Rotation max [1/min]:                               | 10000                               |
|   | Rotating direction:                                 | same/opposite                       |
|   | Coolant:  | EXT                                 |
|   | Please note:  | stronger bearing                    |
|   | Center distance [mm]:                               | 72                                  |
| <b>8 043 65 000</b>   | <b>Universal head +135°/-30° adj. ER25 AX UT</b>    |                                     |
|   | Weight [kg]:  | 10.800                              |
|   | Notation:   | offset; 180° reversible             |
|   | Tool drive:   | Flat (~DIN 1809)                    |
|   | Shank size [mm]:                                    | 65.00                               |
|   | 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:                                 | same                                |
|   | Coolant:  | EXT                                 |
|   | Please note:  | stronger bearing; note tool length! |
|   | Center distance [mm]:                               | 69                                  |
|   | Offset [mm]:  | 60                                  |
| <b>8 043 65 004</b>   | <b>Universal head +135°/-30° adj. ER25AX UTIK</b>   |                                     |
|  | Weight [kg]:  | 10.080                              |
|   | Notation:   | offset; 180° reversible             |
|   | Tool drive:   | Flat (~DIN 1809)                    |
|   | Shank size [mm]:                                    | 65.00                               |
|   | 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:                                 | same                                |
|   | Coolant:  | IC/Ext                              |
|   | Pressure max [bar]:                                 | 140                                 |
|   | Please note:  | stronger bearing                    |
|   | Center distance [mm]:                               | 69                                  |
|   | Offset [mm]:  | 60                                  |
| <b>8 050 66 005</b>   | <b>Multispindle drilling head C 4</b>               |                                     |
|   | Weight [kg]:  | 12.500                              |
|   | Notation:   | 180° reversible                     |
|   | Employment for:                                     | Main- and sub spindle               |
|   | Version:  | 2-spindles                          |
|   | Tool drive:   | Flat (~DIN 1809)                    |
|   | Shank size [mm]:                                    | 65.00                               |

| Part-#              | Name  |  |
|---------------------|---|--|
|                     | 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<br>62                                 |
| <b>8 053 65 019</b> | <b>Multispindle radial head ER 25 AX UT</b>   |  |
|                     | Weight [kg]:                                  | 11.230                                   |
|                     | Notation:                                     | 180° reversible                          |
|                     | Version:                                      | 2-spindles                               |
|                     | Tool drive:                                   | Flat (~DIN 1809)                         |
|                     | Shank size [mm]:                              | 65.00                                    |
|                     | 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:                           | same                                     |
|                     | Coolant:                                      | EXT                                      |
|                     | Center distance [mm]:                         | 72                                       |
| <b>8 053 65 022</b> | <b>Multispindle radial head ER 25 AXUT IC</b> |  |
|                     | Weight [kg]:                                  | 12.050                                   |
|                     | Notation:                                     | 180° reversible                          |
|                     | Version:                                      | 2-spindles                               |
|                     | Tool drive:                                   | Flat (~DIN 1809)                         |
|                     | Shank size [mm]:                              | 65.00                                    |
|                     | 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:                           | same                                     |
|                     | Coolant:                                      | IC/Ext                                   |
|                     | Pressure max [bar]:                           | 140                                      |
|                     | Center distance [mm]:                         | 72                                       |
| <b>8 224 15 006</b> | <b>Universal turning holder sq. 25</b>        |  |
|                     | Weight [kg]:                                  | 4.590                                    |
|                     | Notation:                                     | 180° reversible                          |
|                     | Machine adaption:                             | Centering key b 18                       |
|                     | Tool adaption:                                | Sq. 25<br>Sq. 25                         |
|                     | Coolant:                                      | EXT                                      |
|                     | Pressure max [bar]:                           | 80                                       |

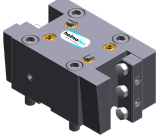
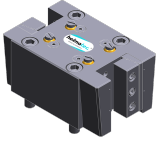




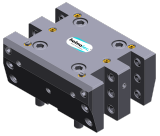
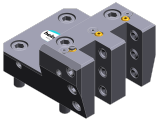
| Part-#  | Name                                      |  |
|---|---|--|
| <b>8 224 15 016</b>   | <b>Universal turning holder sq. 1"</b>    |  |
|          | Weight [kg]:                              | 4.580                                  |
|   | Shank type:                               | BMT                                    |
|   | Machine adaption:                         | Centering key b 18                     |
|   | Tool adaption:                            | Sq. 1" (25,4mm)                        |
|   |   | Sq. 1" (25,4mm)                        |
|   | Coolant:                                  | EXT                                    |
| <b>8 224 15 053</b>   | <b>Universal turning holder sq. 25 IC</b> |  |
|          | Weight [kg]:                              | 4.690                                  |
|   | Notation:                                 | 180° reversible                        |
|   | Shank type:                               | BMT                                    |
|   | Machine adaption:                         | Centering key b 18                     |
|   | Tool adaption:                            | Sq. 25                                 |
|   |   | Sq. 25                                 |
|   | Coolant:                                  | IC/Ext                                 |
|   | Pressure max [bar]:                       | 100                                    |
|   | Please note:                              | Key rail                               |
| <b>8 224 15 056</b>   | <b>Universal turning holder sq. 1" IC</b> |  |
|  | Notation:                                 | 180° reversible                        |
|   | Shank type:                               | BMT                                    |
|   | Machine adaption:                         | Centering key b 18                     |
|   | Tool adaption:                            | Sq. 1" (25,4mm)                        |
|   |   | Sq. 1" (25,4mm)                        |
|   | Coolant:                                  | IC/Ext                                 |
|   | Pressure max [bar]:                       | 100                                    |
|   | Please note:                              | Key rail                               |
| <b>8 229 16 012</b>   | <b>Tool holder C 4 IC</b>                 |  |
|        | Weight [kg]:                              | 3.300                                  |
|   | Notation:                                 | 180° reversible                        |
|   | Version:                                  | right                                  |
|   | Shank type:                               | BMT                                    |
|   | Machine adaption:                         | Centering key b 18                     |
|   | Tool adaption:                            | heimatec Capto(TM) C 4                 |
|   | Coolant:                                  | IC                                     |
|   | Please note:                              | Check applicability; note tool length! |
|   | Offset [mm]:                              | 31                                     |
| <b>8 240 16 036</b>   | <b>Collet chuck holder ER 32</b>          |  |
|   | Weight [kg]:                              | 7.370                                  |
|   | Notation:                                 | 180° reversible                        |
|   | Employment for:                           | Main- and sub spindle                  |
|   | Shank type:                               | BMT                                    |
|   | Machine adaption:                         | Centering key b 18                     |
|   | Tool adaption:                            | ER 32                                  |
|   | Coolant:                                  | IC/Ext                                 |
|   | Pressure max [bar]:                       | 80                                     |
|   | Center distance [mm]:                     | 72                                     |

| Part-#  | Name                                    |                        |
|---|---|------------------------|
| <b>8 240 16 043</b>   | <b>Tool holder C 4 IC</b>               |                        |
|   | Weight [kg]:                            | 7.320                  |
|   | Notation:                               | 180° reversible        |
|   | Employment for:                         | right cutting tools    |
|   | Shank type:                             | BMT                    |
|   | Machine adaption:                       | Centering key b 18     |
|   | Tool adaption:                          | heimatec Capto(TM) C 4 |
|   | Coolant:                                | IC/Ext                 |
|   | Center distance [mm]:                   | 72                     |
| <b>8 240 17 044</b>   | <b>Boring bar holder Ø 25</b>           |                        |
|  | Weight [kg]:                            | 8.200                  |
|   | Notation:                               | 180° reversible        |
|   | Employment for:                         | Main- and sub spindle  |
|   | Shank type:                             | BMT                    |
|   | Machine adaption:                       | Centering key b 18     |
|   | Tool adaption:                          | Ø 25                   |
|   | Coolant:                                | IC/Ext                 |
|   | Center distance [mm]:                   | 72                     |
| <b>8 240 17 054</b>   | <b>Boring bar holder Ø 1 1/4"</b>       |                        |
|   | Weight [kg]:                            | 7.800                  |
|   | Notation:                               | 180° reversible        |
|   | Employment for:                         | Main- and sub spindle  |
|   | Shank type:                             | BMT                    |
|   | Machine adaption:                       | Centering key b 18     |
|   | Tool adaption:                          | Ø 1 1/4" (31,75mm)     |
|   | Coolant:                                | IC/Ext                 |
|   | Center distance [mm]:                   | 72                     |
| <b>8 240 17 059</b>   | <b>Tool holder C 5 IC</b>               |                        |
|   | Weight [kg]:                            | 7.880                  |
|   | Notation:                               | 180° reversible        |
|   | Employment for:                         | right cutting tools    |
|   | Shank type:                             | BMT                    |
|   | Machine adaption:                       | Centering key b 18     |
|   | Tool adaption:                          | heimatec Capto(TM) C 5 |
|   | Coolant:                                | IC/Ext                 |
|   | Center distance [mm]:                   | 72                     |
| <b>8 240 17 076</b>   | <b>Boring bar holder Ø 1"</b>           |                        |
|   | Weight [kg]:                            | 8.120                  |
|   | Notation:                               | 180° reversible        |
|   | Employment for:                         | Main- and sub spindle  |
|   | Shank type:                             | BMT                    |
|   | Machine adaption:                       | Centering key b 18     |
|   | Tool adaption:                          | Ø 1" (25,4mm)          |
|   | Coolant:                                | IC/Ext                 |
|   | Center distance [mm]:                   | 72                     |
| <b>8 240 17 091</b>   | <b>Boring bar holder Ø 25 - slotted</b> |                        |
|   | Weight [kg]:                            | 4.860                  |
|   | Notation:                               | 180° reversible        |
|   | Version:                                | slotted                |
|   | Shank type:                             | BMT                    |
|   | Machine adaption:                       | Centering key b 18     |
|   | Tool adaption:                          | Ø 25                   |

| Part-#  | Name                              |                       |
|---|-----------------------------------|-----------------------|
|   | Coolant:                          | EXT                   |
|   | Center distance [mm]:             | 72                    |
| <b>8 240 18 028</b>   | <b>Boring bar holder Ø 32</b>     |                       |
|    | Weight [kg]:                      | 7.900                 |
|   | Notation:                         | 180° reversible       |
|   | Employment for:                   | Main- and sub spindle |
|   | Shank type:                       | BMT                   |
|   | Machine adaption:                 | Centering key b 18    |
|   | Tool adaption:                    | Ø 32                  |
|   | Coolant:                          | IC/Ext                |
|   | Center distance [mm]:             | 72                    |
| <b>8 240 19 032</b>   | <b>Boring bar holder Ø 40</b>     |                       |
|    | Weight [kg]:                      | 7.671                 |
|   | Notation:                         | 180° reversible       |
|   | Employment for:                   | Main- and sub spindle |
|   | Shank type:                       | BMT                   |
|   | Machine adaption:                 | Centering key b 18    |
|   | Tool adaption:                    | Ø 40                  |
|   | Coolant:                          | IC/Ext                |
|   | Pressure max [bar]:               | 80                    |
|   | Center distance [mm]:             | 72                    |
| <b>8 240 19 044</b>   | <b>Boring bar holder Ø 1 1/2"</b> |                       |
|   | Weight [kg]:                      | 7.590                 |
|   | Notation:                         | 180° reversible       |
|   | Employment for:                   | Main- and sub spindle |
|   | Shank type:                       | BMT                   |
|   | Machine adaption:                 | Centering key b 18    |
|   | Tool adaption:                    | Ø 1 1/2" (38,1mm)     |
|   | Coolant:                          | IC/Ext                |
|   | Center distance [mm]:             | 72                    |
| <b>8 240 19 048</b>   | <b>Boring bar holder Ø 2"</b>     |                       |
|  | Weight [kg]:                      | 6.780                 |
|   | Notation:                         | 180° reversible       |
|   | Employment for:                   | Main- and sub spindle |
|   | Shank type:                       | BMT                   |
|   | Machine adaption:                 | Centering key b 18    |
|   | Tool adaption:                    | Ø 2" (50,8mm)         |
|   | Coolant:                          | IC/Ext                |
|   | Center distance [mm]:             | 72                    |
| <b>8 240 19 067</b>   | <b>Boring bar holder Ø 50</b>     |                       |
|   | Weight [kg]:                      | 6.860                 |
|   | Notation:                         | 180° reversible       |
|   | Employment for:                   | Main- and sub spindle |
|   | Shank type:                       | BMT                   |
|   | Machine adaption:                 | Centering key b 18    |
|   | Tool adaption:                    | Ø 50                  |
|   | Coolant:                          | IC/Ext                |
|   | Pressure max [bar]:               | 80                    |
|   | Center distance [mm]:             | 72                    |

| Part-#  | Name                                      |                         |
|---|---|-------------------------|
| <b>8 240 19 101</b>   | <b>Boring bar holder Ø 40 - slotted</b>   |                         |
|   | Weight [kg]:                              | 4.390                   |
|   | Notation:                                 | 180° reversible         |
|   | Version:                                  | slotted                 |
|   | Shank type:                               | BMT                     |
|   | Machine adaption:                         | Centering key b 18      |
|   | Tool adaption:                            | Ø 40                    |
|   | Coolant:                                  | EXT                     |
|   | Center distance [mm]:                     | 72                      |
| <b>8 244 15 005</b>   | <b>Combi facing holder sq. 25</b>         |                         |
|    | Weight [kg]:                              | 6.510                   |
|   | Shank type:                               | BMT                     |
|   | Machine adaption:                         | Centering key slot b 18 |
|   | Tool adaption:                            | Sq. 25                  |
|   | Coolant:                                  | EXT                     |
|   | Pressure max [bar]:                       | 80                      |
| <b>8 244 15 006</b>   | <b>Combi facing holder sq. 1"</b>         |                         |
|   | Weight [kg]:                              | 6.530                   |
|   | Shank type:                               | BMT                     |
|   | Machine adaption:                         | Centering key slot b 18 |
|   | Tool adaption:                            | Sq. 1" (25,4mm)         |
|   | Coolant:                                  | EXT                     |
| <b>8 249 15 012</b>   | <b>Double collet chuck holder ER 25</b>   |                         |
|  | Notation:                                 | 180° reversible         |
|   | Employment for:                           | Main- and sub spindle   |
|   | Shank type:                               | BMT                     |
|   | Machine adaption:                         | Centering key b 18      |
|   | Tool adaption:                            | ER 25                   |
|   | Coolant:                                  | IC/Ext                  |
|   | Center distance [mm]:                     | 72                      |
| <b>8 249 16 007</b>   | <b>Double collet chuck holder ER 32</b>   |                         |
|  | Weight [kg]:                              | 6.160                   |
|   | Notation:                                 | 180° reversible         |
|   | Employment for:                           | Main- and sub spindle   |
|   | Shank type:                               | BMT                     |
|   | Machine adaption:                         | Centering key b 18      |
|   | Tool adaption:                            | ER 32                   |
|   | Coolant:                                  | IC/Ext                  |
|   | Center distance [mm]:                     | 72                      |
| <b>8 251 15 003</b>   | <b>Combi double turning holder sq. 25</b> |                         |
|  | Notation:                                 | 180° reversible         |
|   | Shank type:                               | BMT                     |
|   | Machine adaption:                         | Centering key b 18      |
|   | Tool adaption:                            | Sq. 25                  |
|   |   | Sq. 25                  |
|   |   | Sq. 25                  |
|   |   | Sq. 25                  |
|   | Coolant:                                  | EXT                     |
|   | Pressure max [bar]:                       | 80                      |

| Part-#  | Name   |                       |
|---|--|-----------------------|
| <b>8 251 15 008</b>   | <b>Combi double turning holder sq. 1"</b>      |                       |
|    | Weight [kg]:                                   | 6.590                 |
|   | Shank type:                                    | BMT                   |
|   | Machine adaption:                              | Centering key b 18    |
|   | Tool adaption:                                 | Sq. 1" (25,4mm)       |
|   | Coolant:                                       | EXT                   |
| <b>8 251 15 046</b>   | <b>Combi double turning holder sq. 25 IC</b>   |                       |
|    | Weight [kg]:                                   | 6.520                 |
|   | Notation:                                      | 180° reversible       |
|   | Shank type:                                    | BMT                   |
|   | Machine adaption:                              | Centering key b 18    |
|   | Tool adaption:                                 | Sq. 25                |
|   |  | Sq. 25                |
|   |  | Sq. 25                |
|   |  | Sq. 25                |
|   | Coolant:                                       | IC/Ext                |
|   | Pressure max [bar]:                            | 100                   |
|   | Please note:                                   | Key rail              |
| <b>8 253 17 097</b>   | <b>Multiple boring bar holder, double Ø 25</b> |                       |
|   | Weight [kg]:                                   | 8.110                 |
|   | Notation:                                      | 180° reversible       |
|   | Employment for:                                | Main- and sub spindle |
|   | Shank type:                                    | BMT                   |
|   | Machine adaption:                              | Centering key b 18    |
|   | Tool adaption:                                 | Ø 25                  |
|   |  | Ø 25                  |
|   |  | Ø 25                  |
|   |  | Ø 25                  |
|   |  | Ø 25                  |
|   |  | Ø 25                  |
|   | Coolant:                                       | IC/Ext                |
|   | Center distance [mm]:                          | 36/75/114             |
| <b>8 253 17 115</b>   | <b>Multiple boring bar holder Ø 1 1/4"</b>     |                       |
|  | Weight [kg]:                                   | 8.950                 |
|   | Notation:                                      | 180° reversible       |
|   | Shank type:                                    | BMT                   |
|   | Machine adaption:                              | Centering key b 18    |
|   | Tool adaption:                                 | Ø 1 1/4" (31,75mm)    |
|   |  | Ø 1 1/4" (31,75mm)    |
|   | Coolant:                                       | IC/Ext                |
|   | Center distance [mm]:                          | 70/110                |
| <b>8 253 18 005</b>   | <b>Double boring bar holder Ø 1 1/4"</b>       |                       |
|   | Weight [kg]:                                   | 9.100                 |
|   | Notation:                                      | 180° reversible       |
|   | Employment for:                                | Main- and sub spindle |
|   | Shank type:                                    | BMT                   |
|   | Machine adaption:                              | Centering key b 18    |
|   | Tool adaption:                                 | Ø 1 1/4" (31,75mm)    |
|   | Coolant:                                       | IC/Ext                |
|   | Center distance [mm]:                          | 56/107                |

| Part-#  | Name                                     |                       |
|---|--|-----------------------|
| <b>8 253 18 006</b>   | <b>Double boring bar holder Ø 32</b>     |                       |
|    | Weight [kg]:                             | 8.860                 |
|   | Notation:                                | 180° reversible       |
|   | Employment for:                          | Main- and sub spindle |
|   | Shank type:                              | BMT                   |
|   | Machine adaption:                        | Centering key b 18    |
|   | Tool adaption:                           | Ø 32                  |
|   |  | Ø 32                  |
|   | Coolant:                                 | IC/Ext                |
|   | Please note:                             | Special               |
|   | Center distance [mm]:                    | 70/110                |
| <b>8 259 12 007</b>   | <b>Multiple turning holder sq. 25/1"</b> |                       |
|    | Weight [kg]:                             | 8.790                 |
|   | Employment for:                          | Main- and sub spindle |
|   | Version:                                 | Y-axes offset         |
|   | Shank type:                              | BMT                   |
|   | Machine adaption:                        | Centering key b 18    |
|   | 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>8 259 12 008</b>   | <b>Multiple turning holder sq. 25/1"</b> |                       |
|  | Weight [kg]:                             | 5.000                 |
|   | Notation:                                | 180° reversible       |
|   | Version:                                 | Y-axes offset         |
|   | Shank type:                              | BMT                   |
|   | Machine adaption:                        | Centering key b 18    |
|   | Tool adaption:                           | Sq. 25/1" (25,4 mm)   |
|   |  | Sq. 25/1" (25,4 mm)   |
|   | Coolant:                                 | EXT                   |

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**heimatec**<sup>®</sup>

**heimatec GmbH**  
Präzisionswerkzeuge  
Carl-Benz-Str. 4  
77871 Renchen  
Germany

T +49 7843 9466 0  
[www.heimatec.com](http://www.heimatec.com)  
[info@heimatec.com](mailto:info@heimatec.com)

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