

SMEC  
**SL 45 M**



# 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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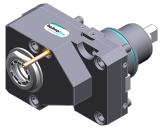
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| Part-#  | Name  |                         |
|---|---|-------------------------|
| <b>8 010 67 039</b>   | <b>Axial drilling and milling head ER 40 AX UT IC</b> |                         |
|   | Weight [kg]:  | 6.000                   |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 75.00                   |
|   | Tool adaption:  | ER 40 A - u-tec         |
|   | Gear ratio [i]:                                       | 1:1                     |
|   | Torque max [Nm]:                                      | 100                     |
|   | Rotation max [1/min]:                                 | 4000                    |
|   | Rotating direction:                                   | same                    |
|   | Coolant:  | IC/Ext                  |
|   | Pressure max [bar]:                                   | 25                      |
|   | Please note:  | Combi bearing           |
| <b>8 010 67 049</b>   | <b>Axial drilling and milling head C 5</b>            |                         |
|    | Weight [kg]:  | 9.020                   |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 75.00                   |
|   | Shank type:   | BMT                     |
|   | Tool adaption:  | heimatec Capto(TM) C 5  |
|   | Gear ratio [i]:                                       | 1:1                     |
|   | Torque max [Nm]:                                      | 100                     |
|   | Rotation max [1/min]:                                 | 4000                    |
|   | Rotating direction:                                   | same                    |
|   | Coolant:  | EXT                     |
| <b>8 010 67 059</b>   | <b>Axial drilling and milling head ER 40 AX UT</b>    |                         |
|   | Weight [kg]:  | 5.880                   |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 75.00                   |
|   | Shank type:   | BMT                     |
|   | Tool adaption:  | ER 40 A - u-tec         |
|   | Gear ratio [i]:                                       | 1:1                     |
|   | Torque max [Nm]:                                      | 100                     |
|   | Rotation max [1/min]:                                 | 4000                    |
|   | Rotating direction:                                   | same                    |
|   | Coolant:  | EXT                     |
|   | Please note:  | Combi bearing           |
| <b>8 010 67 099</b>   | <b>Axial drilling and milling head ER 40 AX UT</b>    |                         |
|  | Weight [kg]:  | 5.770                   |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 75.00                   |
|   | Shank type:   | BMT                     |
|   | Tool adaption:  | ER 40 A - u-tec         |
|   | Gear ratio [i]:                                       | 1:1                     |
|   | Torque max [Nm]:                                      | 100                     |
|   | Rotation max [1/min]:                                 | 6000                    |
|   | Rotating direction:                                   | same                    |
|   | Coolant:  | EXT                     |
| <b>8 019 66 005</b>   | <b>Axial drilling and milling head ER 32 AX UT</b>    |                         |
|   | Weight [kg]:  | 9.440                   |
|   | Notation:   | offset; 180° reversible |
|   | Tool drive:   | Flat (~DIN 1809)        |
|   | Shank size [mm]:                                      | 75.00                   |
|   | Shank type:   | BMT                     |
|   | Tool adaption:  | ER 32 A - u-tec         |

| Part-# | Name |
|--------|------|
|--------|------|

Gear ratio [i]: 1:2  
 Torque max [Nm]: 50  
 Rotation max [1/min]: 10000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: stronger bearing  
 Offset [mm]: 60

**8 019 66 013**





**Axial drilling and milling head ER 32 AX UT**  
 Weight [kg]: 9.550  
 Notation: offset; 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:1  
 Torque max [Nm]: 63  
 Rotation max [1/min]: 6000  
 Rotating direction: opposite  
 Coolant: EXT  
 Please note: stronger bearing  
 Offset [mm]: 60

**8 019 66 077**


**Axial drilling and milling head ER 32 AX UT IC**  
 Notation: offset; 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 Shank type: BMT  
 Tool adaption: ER 32 A - u-tec  
 Gear ratio [i]: 1:2  
 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]: 60

**8 030 65 086**

**Radial drilling and milling head ER 25 AX UT**  
 Weight [kg]: 9.190  
 Notation: 180° reversible  
 Tool drive: Flat (~DIN 1809)  
 Shank size [mm]: 75.00  
 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  
 Coolant: EXT  
 Please note: stronger bearing  
 Center distance [mm]: 100

| Part-#  | Name                  |  |
|---|-----------------------|--|
|    | <b>8 030 67 104</b>   | <b>Radial drilling and milling head ER 40 AX UT IC</b> |
|   | Weight [kg]:          | 15.720   |
|   | Notation:             | 180° reversible  |
|   | Tool drive:           | Flat (~DIN 1809)                                       |
|   | Shank size [mm]:      | 75.00  |
|   | Shank type:           | BMT  |
|   | Tool adaption:        | ER 40 A - u-tec  |
|   | Gear ratio [i]:       | 1:1  |
|   | Torque max [Nm]:      | 100  |
|   | Rotation max [1/min]: | 4000   |
|   | Rotating direction:   | same   |
|   | Coolant:              | IC/Ext   |
|   | Pressure max [bar]:   | 140  |
|   | Please note:          | Combi bearing  |
| Center distance [mm]:   | 110                   |  |
|   | <b>8 037 66 002</b>   | <b>Radial disk mill head arbor 27</b>                  |
|   | Weight [kg]:          | 16.610   |
|   | Version:              | ± 45° turnable; at 0° position can be pinned           |
|   | Tool drive:           | Flat (~DIN 1809)                                       |
|   | Shank size [mm]:      | 75.00  |
|   | Shank type:           | BMT  |
|   | Tool adaption:        | Arbor 27   |
|   | 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                       |
|   | Center distance [mm]: | 120  |
|  | <b>8 040 65 024</b>   | <b>Universal head ± 90° adjustable ER 25 AX UT</b>     |
|   | Weight [kg]:          | 7.840  |
|   | Tool drive:           | Flat (~DIN 1809)                                       |
|   | Shank size [mm]:      | 75.00  |
|   | Shank type:           | BMT  |
|   | Tool adaption:        | ER 25 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]: | 90   |
|   |                       | <b>8 202 20 014</b>                                    |
| Weight [kg]:  |                       | 2.700  |
| Notation:   |                       | 180° reversible  |
| Shank type:   |                       | BMT  |
| Machine adaption:   |                       | Centering key b 25                                     |
| Tool adaption:  |                       | Interface FN 12  |
| Coolant:  |                       | EXT  |
| Center distance [mm]:   |                       | 25   |

| Part-#       | Name  |                                     |
|--------------|---|-------------------------------------|
| 8 224 26 002 | <b>Universal turning holder sq. 32/25</b>     |                                     |
|              | Shank type:                                   | BMT                                 |
|              | Machine adaption:                             | Centering key b 25                  |
|              | Tool adaption:                                | Sq. 32                              |
|              | Coolant:                                      | EXT                                 |
| 8 224 26 008 | <b>Universal turning holder sq. 1 1/4"/1"</b> |                                     |
|              | Weight [kg]:                                  | 7.010                               |
|              | Shank type:                                   | BMT                                 |
|              | Machine adaption:                             | Centering key b 25                  |
|              | Tool adaption:                                | Sq. 1 1/4" (31,75mm)<br>1" (25,4mm) |
|              | Coolant:                                      | EXT                                 |
| 8 240 29 020 | <b>Boring bar holder Ø 60</b>                 |                                     |
|              | Weight [kg]:                                  | 14.520                              |
|              | Notation:                                     | 180° reversible                     |
|              | Shank type:                                   | BMT                                 |
|              | Machine adaption:                             | Centering key b 25                  |
|              | Tool adaption:                                | Ø 60                                |
|              | Coolant:                                      | IC/Ext                              |
|              | Center distance [mm]:                         | 110                                 |
| 8 240 29 026 | <b>Boring bar holder Ø 50</b>                 |                                     |
|              | Weight [kg]:                                  | 15.380                              |
|              | Notation:                                     | 180° reversible                     |
|              | Employment for:                               | Main- and sub spindle               |
|              | Shank type:                                   | BMT                                 |
|              | Machine adaption:                             | Centering key b 25                  |
|              | Tool adaption:                                | Ø 50                                |
|              | Coolant:                                      | IC/Ext                              |
|              | Center distance [mm]:                         | 110                                 |
| 8 240 29 036 | <b>Boring bar holder Ø 2 1/2"</b>             |                                     |
|              | Weight [kg]:                                  | 14.080                              |
|              | Notation:                                     | 180° reversible                     |
|              | Shank type:                                   | BMT                                 |
|              | Machine adaption:                             | Centering key b 25                  |
|              | Tool adaption:                                | Ø 2 1/2" (63,5mm)                   |
|              | Coolant:                                      | IC/Ext                              |
|              | Center distance [mm]:                         | 110                                 |
| 8 240 29 051 | <b>Boring bar holder Ø 2"</b>                 |                                     |
|              | Weight [kg]:                                  | 15.460                              |
|              | Notation:                                     | 180° reversible                     |
|              | Shank type:                                   | BMT                                 |
|              | Machine adaption:                             | Centering key b 25                  |
|              | Tool adaption:                                | Ø 2" (50,8mm)                       |
|              | Coolant:                                      | IC/Ext                              |
|              | Center distance [mm]:                         | 110                                 |

| Part-#  | Name  |  |
|---|---|--|
| <b>8 244 25 002</b>   | <b>Combi facing holder sq. 25</b>                 |  |
|   | Weight [kg]:                                      | 4.100                                  |
|   | Shank type:                                       | BMT                                    |
|   | Machine adaption:                                 | Centering key slot b 25                |
|   | Tool adaption:                                    | Sq. 25<br>Sq. 25                       |
|   | Coolant:  | EXT                                    |
| <b>8 244 26 002</b>   | <b>Combi facing holder sq. 32/25</b>              |  |
|   | Weight [kg]:                                      | 14.750                                 |
|   | Notation:   | 180° reversible                        |
|   | Shank type:                                       | BMT                                    |
|   | Machine adaption:                                 | Centering key b 25                     |
|   | Tool adaption:                                    | Sq. 32/25                              |
|   | Coolant:  | EXT                                    |
|   | Please note:                                      | with spacer strip for sq. 25           |
|   | Center distance [mm]:                             | 105                                    |
| <b>8 244 26 005</b>   | <b>Combi facing holder sq. 1 1/4"/1"</b>          |  |
|   | Weight [kg]:                                      | 14.780                                 |
|   | Notation:   | 180° reversible                        |
|   | Shank type:                                       | BMT                                    |
|   | Machine adaption:                                 | Centering key b 25                     |
|   | Tool adaption:                                    | Sq. 1 1/4" (31,75mm) / sq. 1" (25,4mm) |
|   | Coolant:  | EXT                                    |
|   | Please note:                                      | with spacer strip for sq. 1" (25,4mm)  |
|   | Center distance [mm]:                             | 105                                    |
| <b>8 320 23 011</b>   | <b>Cut-off holder, height adjustable SH 32 IC</b> |  |
|  | Weight [kg]:                                      | 3.290                                  |
|   | Notation:   | 180° reversible                        |
|   | Shank type:                                       | BMT                                    |
|   | Machine adaption:                                 | Centering key b 25                     |
|   | Tool adaption:                                    | Clampshaft SH 32                       |
|   | Coolant:  | IC/Ext                                 |
|   | Pressure max [bar]:                               | 70                                     |
| <b>8 320 23 025</b>   | <b>Cut-off holder, height adjustable SH 32 IC</b> |  |
|   | Weight [kg]:                                      | 3.460                                  |
|   | Notation:   | 180° reversible                        |
|   | Shank type:                                       | BMT                                    |
|   | Machine adaption:                                 | Centering key b 25                     |
|   | Tool adaption:                                    | Clampshaft SH 32                       |
|   | Coolant:  | IC/Ext                                 |
|   | Pressure max [bar]:                               | 70                                     |
|   | Please note:                                      | Clampshaft internal                    |



● heimatec overseas branches

○ global representations of heimatec

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