

Doosan

**Puma MX 2000 -
BMT 65**



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


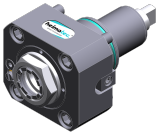
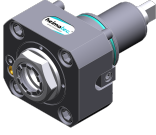
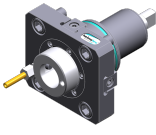
Tool systems for gear production

Digital tool management


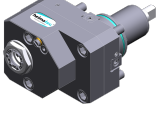
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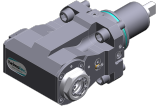
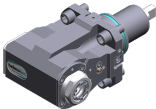


The current version of our General Terms and Conditions can be found on our website.





| 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 |


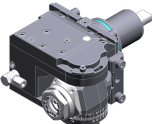

| Part-# | Name | |
|---|---|------------------|
| 8 010 67 026 | Axial drilling and milling head HT 5 IC | |
|  | Weight [kg]: | 3.210 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 65.00 |
| | Shank type: | BMT |
| | Tool adaption: | HT 5 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [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 61 000 | Axial drilling and milling head CHC | |
|  | Weight [kg]: | 10.690 |
| | Notation: | 180° reversible, IC-300 |
| | Version: | no Splash-protection |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 65.00 |
| | Shank type: | BMT |
| | Tool adaption: | CHC |
| | Gear ratio [i]: | 1:0,75 |
| | Rotation max [1/min]: | 4500 |
| | Rotating direction: | opposite |
| | Coolant: | no |
| | Center distance [mm]: | 100 |
| | Offset [mm]: | 174,9 |
| 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 |

| Part-# | Name | |
|---|---|-------------------------|
| | 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 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Offset [mm]: | 50 |
| 8 019 66 014 | Axial drilling and milling head ER 32 AX UT IC | |
|  | 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 |
| 8 030 65 061 | Radial drilling and milling head ER 25 AX UT | |
|  | Weight [kg]: | 7.970 |
| | 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]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 100 |

| Part-# | Name | |
|---|--|--|
| 8 030 65 078 | Radial drilling and milling head ER 25 AX UT IC | |
|  | Weight [kg]: | 8.140 |
| | 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]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 100 |
| 8 030 65 091 | Radial drilling and milling head ER 25 AX UT | |
|  | Weight [kg]: | 7.590 |
| | 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]: | 1:2 |
| | Torque max [Nm]: | 16 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | no |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 95 |
| 8 030 66 169 | Radial drilling and milling head ER 32 AS UT IC | |
|  | Weight [kg]: | 10.550 |
| | 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: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Rotating direction note; combi bearing |
| | Center distance [mm]: | 100 |
| 8 030 66 260 | Radial drilling and milling head ER 32 AS UT | |
|  | Weight [kg]: | 9.260 |
| | 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 |

| Part-# | Name | |
|---|--|------------------|
| | Rotation max [1/min]: | 10000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Center distance [mm]: | 100 |
| 8 030 66 261 | Radial drilling and milling head ER 32 AS UT IC | |
|  | Weight [kg]: | 9.440 |
| | 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]: | 100 |
| 8 030 66 269 | Radial 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]: | 10000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Center distance [mm]: | 100 |
| 8 030 66 270 | Radial drilling and milling head ER 32 AX UT IC | |
|  | Weight [kg]: | 9.980 |
| | 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]: | 100 |
| 8 030 67 165 | Radial drilling and milling head ER 40 AX UT | |
|  | Weight [kg]: | 10.540 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 65.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 40 u-tec |
| | Gear ratio [i]: | 1:1 |



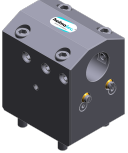
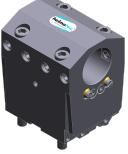

| Part-# | Name | |
|---|---|--|
| | | Torque max [Nm]: 50 Rotation max [1/min]: 6000 Rotating direction: same Coolant: EXT Please note: Combi bearing Center distance [mm]: 100 |
| 8 039 66 021 | Radial drilling and milling head ER 32 AX UT | |
|  | Notation: 180° reversible Employment for: Main- and 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]: 100 | |
| 8 043 65 000 | Universal head +135°/-30° adj. ER25 AX UT | |
|  | 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 | |
| 8 043 65 004 | Universal head +135°/-30° adj. ER25AX UTIK | |
|  | 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 | |

| Part-# | Name | |
|---|--|-----------------------------------|
| 8 050 65 011 | Multispindle drilling head ER 25 AX UT | |
|  | Weight [kg]: | 6.700 |
| | 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: | opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| 8 050 65 012 | Multispindle drilling head ER 25 AX UT IC | |
|  | Weight [kg]: | 6.740 |
| | 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: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | stronger bearing |
| 8 100 16 000 | Tool holder radial ø17,1 / minus | |
|  | Notation: | 180° reversible |
| | Employment for: | Angle handpiece or extension CN01 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 65.00 |
| | Shank type: | BMT |
| | Tool adaption: | Interface ø17,1 / M17x1 |
| | Gear ratio [i]: | 1:1 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | no |
| | Center distance [mm]: | 100 |
| 8 200 62 006 | Cover plate 96,0x100,0x 10,0 | |
|  | Weight [kg]: | 1.340 |
| | Shank size [mm]: | 65.00 |
| | Shank type: | BMT |
| 8 202 10 009 | Basic holder longitudinal seat FN 12 | |
|  | Weight [kg]: | 1.490 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Interface FN 12 |
| | Coolant: | EXT |

| Part-# | Name | |
|---|---|---------------------------|
| 8 209 14 006 | Adapter for VDI 40 | |
|  | Weight [kg]: | 7.650 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | DIN 69880 - 40 |
| | Coolant: | EXT |
| | Center distance [mm]: | 100 |
| 8 224 12 014 | Cut-off holder sq. 25 | |
|  | Weight [kg]: | 2.320 |
| 8 224 13 015 | Cut-off holder SH 32 | |
|  | Weight [kg]: | 1.870 |
| | Employment for: | Cut-off tool 32 |
| | Version: | Clampshaft on turret side |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Clampshaft SH 32 |
| | Coolant: | EXT |
| 8 224 14 026 | Universal turning holder sq. 20 IC | |
|  | Weight [kg]: | 3.795 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Key rail |
| 8 224 14 027 | Universal turning holder sq. 20 IC | |
|  | Weight [kg]: | 4.600 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Key rail |
| 8 224 15 005 | Universal turning holder sq. 25 | |
|  | Weight [kg]: | 3.960 |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 25 |
| | Coolant: | EXT |
| | Pressure max [bar]: | 80 |

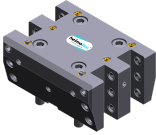

| Part-# | Name | |
|---|---|--------------------|
| 8 224 15 006 | Universal turning holder sq. 25 | |
|  | Weight [kg]: | 4.590 |
| | Notation: | 180° reversible |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 25 |
| | | Sq. 25 |
| | Coolant: | EXT |
| | Pressure max [bar]: | 80 |
| 8 224 15 015 | Universal turning holder sq. 1" | |
|  | Weight [kg]: | 3.930 |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 1" (25,4mm) |
| | Coolant: | EXT |
| 8 224 15 016 | Universal turning holder sq. 1" | |
|  | 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 |
| 8 224 15 052 | Universal turning holder sq. 25 IC | |
|  | 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 |
| 8 224 15 053 | Universal turning holder sq. 25 IC | |
|  | 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 |
| 8 224 15 056 | Universal turning holder sq. 1" IC | |
|  | 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 |


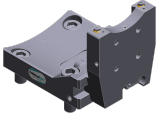


| Part-# | Name | |
|---|-----------------------------------|--|
| 8 229 16 012 | Tool holder C 4 IC | |
|  | Weight [kg]: | 3.300 |
| | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 31 |
| 8 240 15 026 | Tool holder ABS 50 IC/Ext | |
|  | Weight [kg]: | 7.800 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | ABS 50 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 100 |
| 8 240 16 026 | Collet chuck holder ER 32 | |
|  | Weight [kg]: | 6.820 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | ER 32 |
| | Coolant: | IC/Ext |
| | Please note: | Insert reversible |
| | Center distance [mm]: | 100 |
| 8 240 17 050 | Boring bar holder Ø 25 | |
|  | Weight [kg]: | 10.730 |
| | 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 |
| | Pressure max [bar]: | 80 |
| | Center distance [mm]: | 100 |
| 8 240 17 063 | Boring bar holder Ø 1 1/4" | |
|  | Weight [kg]: | 10.500 |
| | 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]: | 100 |

| Part-# | Name | |
|---|-----------------------------------|-----------------------|
| 8 240 18 049 | Boring bar holder Ø 32 | |
|  | Weight [kg]: | 10.480 |
| | 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 |
| | Pressure max [bar]: | 80 |
| | Center distance [mm]: | 100 |
| 8 240 18 091 | Boring bar holder Ø 1 1/2" | |
|  | Weight [kg]: | 10.110 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Ø 1 1/2" (38,1mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 100 |
| 8 240 19 043 | Boring bar holder Ø 40 | |
|  | Weight [kg]: | 10.050 |
| | 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]: | 100 |
| 8 240 19 051 | Boring bar holder Ø 50 | |
|  | Weight [kg]: | 9.340 |
| | 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]: | 100 |
| 8 240 19 070 | Boring bar holder Ø 50 | |
|  | Weight [kg]: | 11.220 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Version: | Special |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Ø 50 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 115 |

| Part-# | Name | |
|---|---|-------------------------|
| 8 240 19 137 | Boring bar holder Ø 2" | |
|  | Weight [kg]: | 7.060 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Ø 2" (50,8mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 80 |
| 8 244 15 005 | Combi facing holder sq. 25 | |
|  | Weight [kg]: | 6.510 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key slot b 18 |
| | Tool adaption: | Sq. 25 |
| | Coolant: | EXT |
| | Pressure max [bar]: | 80 |
| 8 244 15 006 | Combi facing holder sq. 1" | |
|  | Weight [kg]: | 6.530 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key slot b 18 |
| | Tool adaption: | Sq. 1" (25,4mm) |
| | Coolant: | EXT |
| 8 249 16 005 | Double collet chuck holder ER 32 | |
|  | Weight [kg]: | 8.560 |
| | 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]: | 100 |
| 8 251 14 019 | Combi multiple holder 3x sq. 20 | |
|  | Weight [kg]: | 4.890 |
| | Employment for: | Main spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | EXT |
| 8 251 15 003 | Combi double turning holder sq. 25 | |
|  | 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 | |
|---|--|-----------------------|
| 8 251 15 008 | Combi double turning holder sq. 1" | |
|  | Weight [kg]: | 6.590 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Sq. 1" (25,4mm) |
| | Coolant: | EXT |
| 8 251 15 046 | Combi double turning holder sq. 25 IC | |
|  | 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 |
| 8 253 17 056 | Double boring bar holder Ø 25 | |
|  | Weight [kg]: | 7.300 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Ø 25 |
| | Coolant: | IC/Ext |
| | Please note: | Special |
| | Center distance [mm]: | 70/110 |
| 8 253 17 115 | Multiple boring bar holder Ø 1 1/4" | |
|  | 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 |
| 8 253 18 006 | Double boring bar holder Ø 32 | |
|  | 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 |

| Part-# | Name | |
|---|---|-----------------------|
| 8 259 12 007 | Multiple turning holder sq. 25/1" | |
|  | 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 |
| 8 259 12 008 | Multiple turning holder sq. 25/1" | |
|  | 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 |
| 8 259 17 009 | Double boring bar holder Ø 1" | |
|  | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Ø 1" (25,4mm) |
| | Coolant: | IC/Ext |
| | Please note: | Special |
| | Center distance [mm]: | 70/110 |
| 8 320 12 017 | Cut-off holder, height adjustable SH 26 IC | |
|  | Weight [kg]: | 1.980 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Clampshaft SH 26 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 70 |
| 8 320 13 005 | Cut-off holder, height adjustable SH 32 IC | |
|  | Weight [kg]: | 2.120 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 18 |
| | Tool adaption: | Clampshaft SH 32 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 70 |

| Part-# | Name | |
|--|--|---|
| 8 320 13 019 | Cut-off holder, height adjustable SH 32 IC | |
|  | Notation: Shank type: Machine adaption: Tool adaption: Coolant: Pressure max [bar]: Please note: | 180° reversible BMT Centering key b 18 Clampshaft SH 32 IC/Ext 70 with offset cut-off tool holder; use |
| 8 320 13 020 | Cut-off holder, height adjustable SH 32 IC | |
|  | Weight [kg]: Notation: Shank type: Machine adaption: Tool adaption: Coolant: Pressure max [bar]: Please note: | 2.240 180° reversible BMT Centering key b 18 Clampshaft SH 32 IC/Ext 70 Clampshaft internal |
| 8 320 19 020 | Cut-off holder, height adjustable 845 IC | |
|  | Notation: Shank type: Machine adaption: Tool adaption: Coolant: Pressure max [bar]: Please note: | 180° reversible BMT Centering key b 18  System 845 IC 70 Clampshaft internal |

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