TOOL CATALOGUE

heimatec®

# Daewoo

# Puma 230 MB

11/2026




# 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 subsiiary 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 55 038** **Axial drilling and milling head ER 25 AX UT IC**



| | |
|---|---|
| Weight [kg]: | 3.050 |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | ER 25 A - u-tec |
| Gear ratio [i]: | 1:1 |
| Torque max [Nm]: | 50 |
| Rotation max [1/min]: | 6000 |
| Rotating direction: | same |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 25 |
| Please note: | Combi bearing |

**8 010 55 039** **Axial drilling and milling head ER 25 AX UT**



| | |
|---|---|
| Notation: | 180° reversible |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | ER 25 A - u-tec |
| Gear ratio [i]: | 1:1 |
| Torque max [Nm]: | 50 |
| Rotation max [1/min]: | 12000 |
| Rotating direction: | same |
| Coolant: | EXT |
| Pressure max [bar]: | 140 |

**8 010 55 051** **Axial drilling and milling head Weldon 3/4"**



| | |
|---|---|
| Weight [kg]: | 3.390 |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | Weldon (DIN 1835 b) 3/4" (19,05mm) |
| Gear ratio [i]: | 1:1 |
| Torque max [Nm]: | 50 |
| Rotation max [1/min]: | 6000 |
| Rotating direction: | same |
| Coolant: | EXT |
| Please note: | Combi bearing |

**8 010 55 057** **Axial drilling and milling head ER 25 AX UT IC**



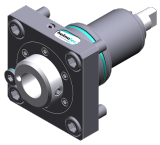
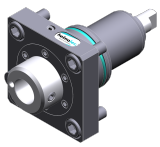
| | |
|---|---|
| Notation: | 180° reversible |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | ER 25 A - u-tec |
| Gear ratio [i]: | 1:1 |
| Torque max [Nm]: | 50 |
| Rotation max [1/min]: | 12000 |
| Rotating direction: | same |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 100 |
| Please note: | Dryrun possible |

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| Part-# | Name | |
|---|---|---|
| **8 010 55 120** | **Axial drilling and milling head ER 25 AX UT** | |
|  | Weight [kg]: | 3.190 |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 8000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| **8 010 56 035** | **Axial drilling and milling head HT 4 IC** | |
|  | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | HT 4 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | stronger bearing |
| **8 010 56 039** | **Axial drilling and milling head ER 32 AX UT** | |
|  | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Pressure max [bar]: | 140 |
| **8 010 56 047** | **Axial drilling and milling head HT 4 IC** | |
|  | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | HT 4 |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | Combi bearing |


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

**8 010 56 089** **Axial drilling and milling head ER 32 AX UT IC**



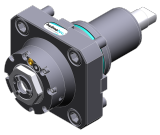
| | |
|---|---|
| Weight [kg]: | 3.700 |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | ER 32 A - u-tec |
| Gear ratio [i]: | 1:1 |
| Torque max [Nm]: | 50 |
| Rotation max [1/min]: | 12000 |
| Rotating direction: | same |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 100 |
| Please note: | Dryrun possible |

**8 010 56 119** **Axial drilling and milling head C 4 IC**



| | |
|---|---|
| Notation: | 180° reversible |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | heimatec Capto(TM) C 4 |
| Gear ratio [i]: | 1:1 |
| Torque max [Nm]: | 50 |
| Rotation max [1/min]: | 8000 |
| Rotating direction: | same |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 100 |
| Please note: | Check applicability; tool length check !; |

**8 013 54 008** **Axial drilling and milling head ER 16 AX UT**



| | |
|---|---|
| Weight [kg]: | 2.480 |
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | ER 16 A - u-tec |
| Gear ratio [i]: | 1:4 |
| Torque max [Nm]: | 5 |
| Rotation max [1/min]: | 24000 |
| Rotating direction: | same |
| Coolant: | EXT |

**8 013 54 009** **Axial drilling and milling head ER 16 AX UT IC**



| | |
|---|---|
| Tool drive: | Flat (~DIN 1809) |
| Shank size [mm]: | 55.00 |
| Shank type: | BMT |
| Tool adaption: | ER 16 A - u-tec |
| Gear ratio [i]: | 1:4 |
| Torque max [Nm]: | 5 |
| Rotation max [1/min]: | 24000 |
| Rotating direction: | same |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 100 |

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


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

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


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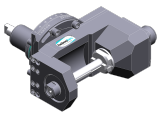
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| Part-# | Name | |
|---|---|---|
| | Center distance [mm]: | 70 |
| **8 030 55 120** | **Radial drilling and milling head ER 25 AX UT IC** | |
|  | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 70 |
| **8 030 55 175** | **Radial drilling and milling head ER 25 AX UT** | |
|  | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 60 |
| **8 030 55 176** | **Radial drilling and milling head ER 25 AX UT IC** | |
|  | Weight [kg]: | 6.500 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 60 |
| **8 030 56 056** | **Radial drilling and milling head ER 32 AX UT IC** | |
|  | Weight [kg]: | 7.150 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |

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| Part-# | Name | |
|---|---|---|
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 70 |
| **8 030 56 172** | **Radial drilling and milling head ER 32 AX UT IC** | |
| | Weight [kg]: | 6.830 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 63 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Combi bearing |
| | Center distance [mm]: | 70 |
| **8 030 56 274** | **Radial drilling and milling head ER 32 AX UT** | |
|  | Weight [kg]: | 6.720 |
| | Notation: | 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | EXT |
| | Center distance [mm]: | 70 |
| **8 037 54 024** | **Radial disk mill head arbor 16** | |
|  | Weight [kg]: | 11.300 |
| | Notation: | 180° reversible |
| | Version: | ± 20° turnable; at 0° position can be pinned |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | Arbor 16 |
| | Gear ratio [i]: | 2:1 |
| | Torque max [Nm]: | 63 |
| | Rotation max [1/min]: | 3000 |
| | Rotating direction: | same |
| | Coolant: | no |
| | Please note: | strong version with stronger bearing; use |
| | Center distance [mm]: | 83,5 |


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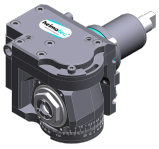
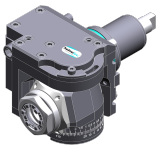
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| Part-# | Name | |
|---|---|---|
| **8 039 55 036** | **Radial drilling and milling head ER 25 AX UT** | |
|  | Weight [kg]: | 7.110 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Version: | double spindle |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same/opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 70 |
| **8 039 55 051** | **Radial drilling and milling head ER 25 AX UT** | |
|  | Weight [kg]: | 7.000 |
| | Version: | double spindle |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same/opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 60 |
| **8 039 56 022** | **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]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same/opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 70 |
| **8 039 56 035** | **Radial drilling and milling head ER 32 AX UT** | |
| | Weight [kg]: | 6.970 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Version: | double spindle, special |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 32 A - u-tec |
| | Gear ratio [i]: | 1:1 |

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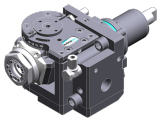
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| Part-# | Name | |
|---|---|---|
| | Torque max [Nm]: | 50 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | same/opposite |
| | Coolant: | no |
| | Please note: | Operation only with air purge, no coolant |
| | Center distance [mm]: | 70 |
| **8 043 54 006** | **Universal head +110°/-20° adj. ER16 AX UT** | |
|  | Weight [kg]: | 5.940 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| **8 043 54 013** | **Universal head +110°/-20° adj. ER16 AX UT** | |
|  | Weight [kg]: | 6.320 |
| | Notation: | offset; 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 12 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| **8 043 55 005** | **Universal head +110°/-20° adj. ER25 AX UT** | |
|  | Weight [kg]: | 6.170 |
| | Notation: | offset, 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |


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# Puma 230 MB

| Part-# | Name | |
|---|---|---|
| **8 043 55 009** | **Universal head +110°/-20° adj. ER25AX UTIK** | |
|  | Weight [kg]: | 6.320 |
| | Notation: | offset, 180° reversible |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| **8 043 55 027** | **Universal head +110°/-20° adj. ER25 AX UT** | |
|  | Weight [kg]: | 6.180 |
| | Notation: | offset, 180° reversible |
| | Version: | at 45° position can be pinned |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 25 A - u-tec |
| | Gear ratio [i]: | 1:1 |
| | Torque max [Nm]: | 25 |
| | Rotation max [1/min]: | 6000 |
| | Rotating direction: | opposite |
| | Coolant: | EXT |
| | Please note: | stronger bearing |
| | Center distance [mm]: | 50 |
| | Offset [mm]: | 35 |
| **8 053 54 030** | **Multispindle radial head ER 16 AXUT IC** | |
| | Weight [kg]: | 6.880 |
| | Notation: | 180° reversible |
| | Version: | 2-spindles |
| | Tool drive: | Flat (~DIN 1809) |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |
| | Tool adaption: | ER 16 A - u-tec |
| | Gear ratio [i]: | 1:2 |
| | Torque max [Nm]: | 8 |
| | Rotation max [1/min]: | 12000 |
| | Rotating direction: | same |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 25 |
| | Center distance [mm]: | 70 |
| **8 200 02 003** | **Cover plate** | |
|  | Weight [kg]: | 0.361 |
| | Shank size [mm]: | 55.00 |
| | Shank type: | BMT |

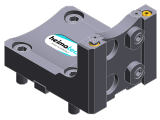
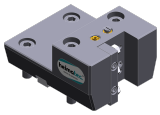
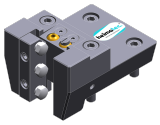
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# Daewoo

## Puma 230 MB

| Part-# | Name | |
|---|---|---|
| **8 202 00 009** | **Basic holder longitudinal seat FN 12** | |
|  | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Interface FN 12 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| **8 224 03 003** | **Cut-off holder SH 32** | |
|  | Weight [kg]: | 1.810 |
| | Notation: | 180° reversible |
| | Employment for: | Cut-off tool 32 |
| | Version: | Clampshaft on turret side |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Clampshaft SH 32 |
| | Coolant: | EXT |
| **8 224 04 002** | **Universal turning holder sq. 20** | |
|  | Weight [kg]: | 3.460 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 20 |
| | Coolant: | EXT |
| **8 224 04 062** | **Universal turning holder sq. 20 IC** | |
|  | Weight [kg]: | 3.020 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 20<br>Sq. 20 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 100 |
| | Please note: | Key rail |
| **8 224 05 003** | **Universal turning holder sq. 25** | |
| | Weight [kg]: | 3.620 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25 |
| | Coolant: | EXT |
| **8 224 05 005** | **Universal turning holder sq. 1"** | |
|  | Weight [kg]: | 3.560 |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 1" (25,4mm) |
| | Coolant: | EXT |


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| Part-# | Name | |
|---|---|---|
| **8 224 05 015** | **Universal turning holder sq. 25/20** | |
|  | Weight [kg]: | 3.780 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25/20 |
| | Coolant: | EXT |
| | Pressure max [bar]: | 80 |
| | Please note: | with spacer strip for sq. 20 |
| **8 224 05 023** | **Universal turning holder sq. 25/20** | |
|  | Weight [kg]: | 3.150 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25/20 |
| | Coolant: | EXT |
| | Please note: | with spacer strip for sq. 20 |
| **8 224 05 029** | **Universal turning holder sq. 25 IC** | |
|  | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Key rail |
| **8 224 05 035** | **Universal turning holder sq. 1" IC** | |
|  | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 1" (25,4mm) |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Key rail |
| **8 229 06 004** | **Tool holder C 4 IC** | |
|  | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |
| | Pressure max [bar]: | 140 |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 38 |
| **8 229 06 009** | **Tool holder C 4 IC** | |
|  | Notation: | 180° reversible |
| | Version: | left |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |

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| Part-# | Name | |
|---|---|---|
| | Pressure max [bar]: | 140 |
| | Please note: | Check applicability; note tool length! |
| | Offset [mm]: | 38 |
| **8 240 06 043** | **Tool holder C 4 IC** | |
|  | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 100 |
| **8 240 06 046** | **Tool holder C 4 IC** | |
|  | Notation: | 180° reversible |
| | Version: | left |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 100 |
| **8 240 06 061** | **Tool holder C 4 IC** | |
|  | Notation: | 180° reversible |
| | Version: | right |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 70 |
| **8 240 06 062** | **Tool holder C 4 IC** | |
|  | Notation: | 180° reversible |
| | Version: | left |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | heimatec Capto(TM) C 4 |
| | Coolant: | IC |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 70 |
| **8 240 07 024** | **Boring bar holder Ø 1 1/4"** | |
|  | Weight [kg]: | 5.500 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 1 1/4" (31,75mm) |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Center distance [mm]: | 70 |


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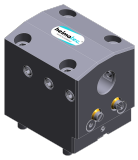
| Part-# | Name |
|---|---|

**8 240 07 025** **Boring bar holder Ø 1 1/4"**



| | |
|---|---|
| Notation: | 180° reversible |
| Shank type: | BMT |
| Machine adaption: | Centering key b 15 |
| Tool adaption: | Ø 1 1/4" (31,75mm) |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 140 |
| Center distance [mm]: | 100 |

**8 240 07 069** **Boring bar holder Ø 25**



| | |
|---|---|
| Notation: | 180° reversible |
| Employment for: | Main- and sub spindle |
| Shank type: | BMT |
| Machine adaption: | Centering key b 15 |
| Tool adaption: | Ø 25 |
| Coolant: | IC/Ext |
| Center distance [mm]: | 70 |

**8 240 08 002** **Boring bar holder Ø 32**



| | |
|---|---|
| Notation: | 180° reversible |
| Shank type: | BMT |
| Machine adaption: | Centering key b 15 |
| Tool adaption: | Ø 32 |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 140 |
| Center distance [mm]: | 70 |

**8 240 08 008** **Boring bar holder Ø 32**



| | |
|---|---|
| Notation: | 180° reversible |
| Shank type: | BMT |
| Machine adaption: | Centering key b 15 |
| Tool adaption: | Ø 32 |
| Coolant: | IC/Ext |
| Pressure max [bar]: | 140 |
| Center distance [mm]: | 100 |

**8 240 08 009** **Boring bar holder Ø 1 1/2"**



| | |
|---|---|
| Weight [kg]: | 5.470 |
| Notation: | 180° reversible |
| Employment for: | Main- and sub spindle |
| Shank type: | BMT |
| Machine adaption: | Centering key b 15 |
| Tool adaption: | Ø 1 1/2" (38,1mm) |
| Coolant: | IC/Ext |
| Center distance [mm]: | 70 |

**8 240 08 061** **Boring bar holder Ø 32**



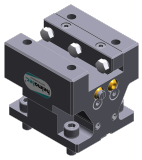
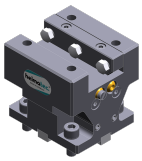
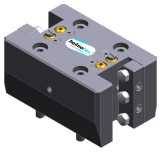
| | |
|---|---|
| Weight [kg]: | 6.490 |
| Notation: | 180° reversible |
| Employment for: | Main- and sub spindle |
| Shank type: | BMT |
| Machine adaption: | Centering key b 15 |
| Tool adaption: | Ø 32 |
| Coolant: | IC/Ext |
| Center distance [mm]: | 80 |

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# Puma 230 MB

| Part-# | Name | |
|---|---|---|
| **8 240 09 009** | **Boring bar holder Ø 40** | |
| | Weight [kg]: | 5.640 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 40 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 80 |
| | Center distance [mm]: | 70 |
| **8 240 09 012** | **Boring bar holder Ø 40** | |
|  | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 40 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 80 |
| | Center distance [mm]: | 100 |
| **8 244 05 003** | **Combi facing holder sq. 25** | |
|  | Weight [kg]: | 5.340 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25 |
| | Coolant: | EXT |
| | Pressure max [bar]: | 80 |
| **8 244 05 006** | **Combi facing holder sq. 1"** | |
|  | Weight [kg]: | 5.310 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 1" (25,4mm) |
| | Coolant: | EXT |
| **8 251 05 001** | **Combi double turning holder sq. 25** | |
|  | Weight [kg]: | 7.700 |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25<br>Sq. 25<br>Sq. 25<br>Sq. 25 |
| | Coolant: | EXT |
| | Pressure max [bar]: | 80 |


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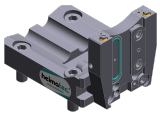
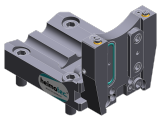
| Part-# | Name | |
|---|---|---|
| **8 251 05 012** | **Combi double turning holder sq. 25 IC** | |
|  | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 25 |
| | | Sq. 25 |
| | | Sq. 25 |
| | | Sq. 25 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| | Please note: | Key rail |
| **8 253 07 011** | **Double boring bar holder Ø 25** | |
|  | Weight [kg]: | 6.770 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 25 |
| | | Ø 25 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 80 |
| | Please note: | Check applicability; note tool length |
| | Center distance [mm]: | 52/97 |
| **8 253 07 031** | **Double boring bar holder Ø 1"** | |
|  | Weight [kg]: | 7.620 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 1" (25,4mm) |
| | | Ø 1" (25,4mm) |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 52/97 |
| **8 253 07 047** | **Double boring bar holder Ø 25** | |
| | Weight [kg]: | 6.940 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 25 |
| | | Ø 25 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 44/87 |
| **8 253 08 002** | **Double boring bar holder Ø 32** | |
| | Weight [kg]: | 6.340 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Ø 32 |
| | | Ø 32 |
| | Coolant: | IC/Ext |
| | Center distance [mm]: | 44/87 |

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# Puma 230 MB

| Part-# | Name | |
|---|---|---|
| **8 259 04 007** | **Multiple turning holder sq. 20** | |
|  | Weight [kg]: | 8.180 |
| | Notation: | 180° reversible |
| | Employment for: | Main- and sub spindle |
| | Version: | Special |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Sq. 20 |
| | | Sq. 20 |
| | | Sq. 20 |
| | Coolant: | IC/Ext |
| **8 320 02 014** | **Cut-off holder, height adjustable SH 26 IC** | |
|  | Weight [kg]: | 1.660 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Clampshaft SH 26 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 70 |
| **8 320 03 008** | **Cut-off holder, height adjustable SH 32 IC** | |
|  | Weight [kg]: | 1.780 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | Clampshaft SH 32 |
| | Coolant: | IC/Ext |
| | Pressure max [bar]: | 140 |
| **8 320 09 001** | **Cut-off holder, height adjustable 845 IC** | |
|  | Weight [kg]: | 1.730 |
| | Notation: | 180° reversible |
| | Shank type: | BMT |
| | Machine adaption: | Centering key b 15 |
| | Tool adaption: | HORN System 845 |
| | Coolant: | IC |
| | Pressure max [bar]: | 70 |


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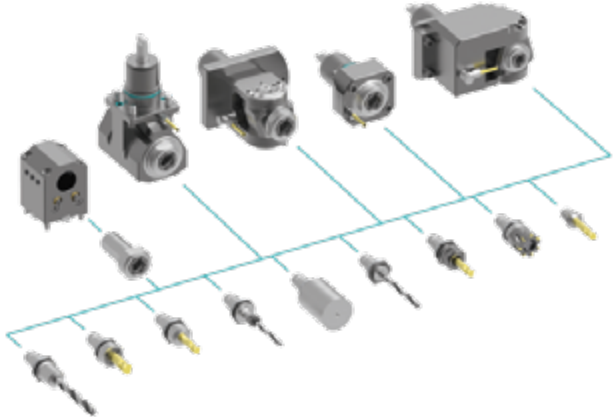
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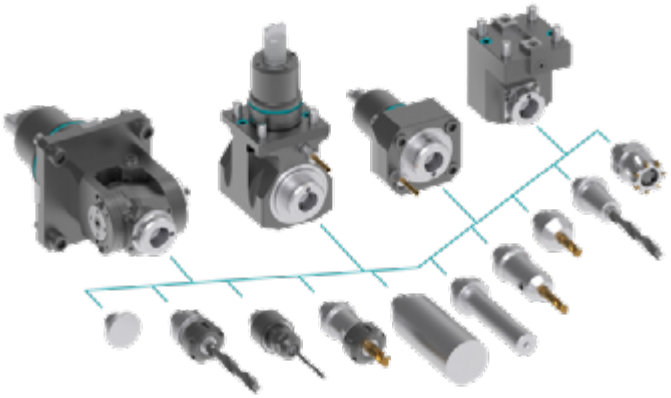
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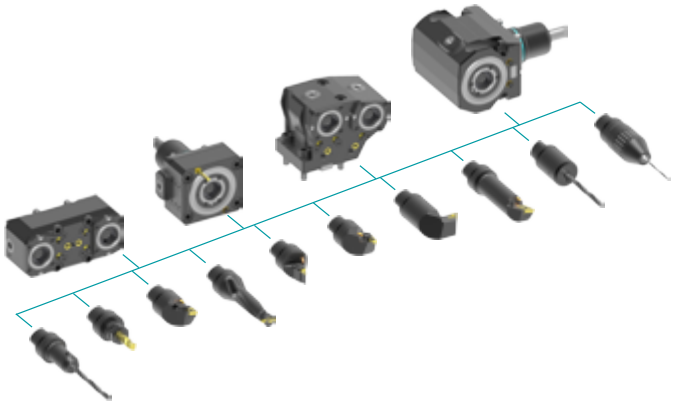
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