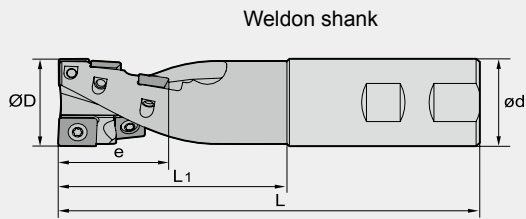
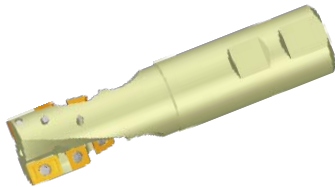


Helical end mill

Kr:90°



HMP01 P K




Specification of tools

| Type | Stock | | Basic dimensions(mm) | | | | | Number of flute Z | Number of inserts | | Shank type |
|-----------------------------------|-------|---|----------------------|----|----|----|-----|-------------------|----------------------|----------------------|--------------|
| | R | L | ØD | ød | e | L1 | L | | APKT 150412-PM/KM | SPMT 120408-PM/KM | |
| HMP01 -040×55-XP40-SP12-02 | △ | △ | 40 | 40 | 55 | 95 | 175 | 2 | 1 | 5 | Weldon shank |
| -050×55-XP40-SP12-04 | △ | △ | 50 | 40 | 55 | 95 | 175 | 4 | 2 | 10 | Weldon shank |

▲Stock available △Make-to-order

| Diameter ØD | Screw | Wrench |
|-------------|----------|--------|
| Ø40 | I60M5×10 | WT20T |
| Ø50 | I60M5×13 | WT20T |




Tools code key → B22-B23

Grade selection guide → B18-B21

Technical data → B192-B198

Helical end mill

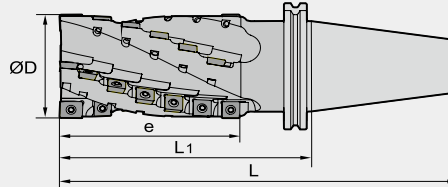
Kr:90°



HMP01 **P** **K**



JT shank/ BT shank (JT shank shown)



➤ **Specification of tools**

| Type | Stock | | Basic dimensions(mm) | | | | Number of flute Z | Number of inserts | | Shank type |
|-----------------------------------|-------|---|----------------------|-----|-----|--------|-------------------|-------------------|-------------------|------------|
| | R | L | ØD | e | L1 | L | | APKT 150412-PM/KM | SPMT 120408-PM/KM | |
| HMP01 -050×84-JT50-SP12-04 | △ | △ | 50 | 84 | 145 | 246.75 | 4 | 2 | 16 | JT |
| -063×74-JT50-SP12-04 | △ | △ | 63 | 74 | 135 | 236.75 | 4 | 2 | 14 | JT |
| -063×104-JT50-SP12-04 | △ | △ | 63 | 104 | 165 | 266.75 | 4 | 2 | 20 | JT |
| -063×134-JT50-SP12-04 | △ | △ | 63 | 134 | 195 | 296.75 | 4 | 2 | 26 | JT |
| -080×104-JT50-SP12-04 | △ | △ | 80 | 104 | 165 | 266.75 | 4 | 2 | 20 | JT |
| -080×144-JT50-SP12-04 | △ | △ | 80 | 144 | 205 | 306.75 | 4 | 2 | 28 | JT |
| -050×84-BT50-SP12-04 | △ | △ | 50 | 84 | 145 | 246.8 | 4 | 2 | 16 | BT |
| -063×74-BT50-SP12-04 | △ | △ | 63 | 74 | 135 | 236.8 | 4 | 2 | 14 | BT |
| -063×104-BT50-SP12-04 | △ | △ | 63 | 104 | 165 | 266.8 | 4 | 2 | 20 | BT |
| -063×134-BT50-SP12-04 | △ | △ | 63 | 134 | 195 | 296.8 | 4 | 2 | 26 | BT |
| -080×104-BT50-SP12-04 | △ | △ | 80 | 104 | 165 | 266.8 | 4 | 2 | 20 | BT |
| -080×144-BT50-SP12-04 | △ | △ | 80 | 144 | 205 | 306.8 | 4 | 2 | 28 | BT |

▲Stock available △Make-to-order

➤ **Spare parts**

| Diameter ØD | Screw | Wrench | |
|-------------|----------|--------|--|
| | | | |
| Ø50 | I60M5×13 | WT20IS | |
| Ø63 | I60M5×13 | WT20IS | |
| Ø80 | I60M5×13 | WT20IS | |

Tools code key **B22-B23**

Grade selection guide **B18-B21**

Technical data **B192-B198**

Indexable milling tools
Helical end mill

Helical end mills with interchangeable heads

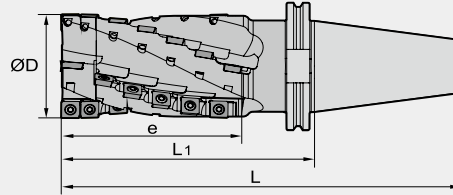
Kr:90°



HMP01 EC P K



JT shank/ BT shank (JT shank shown)



Specification of tools

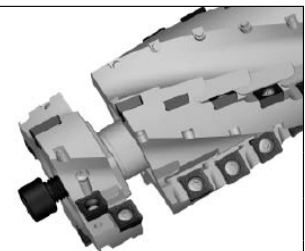
| Type | Stock | | Basic dimensions(mm) | | | | Number of flute Z | Number of inserts | | Shank type |
|-------------------------------------|-------|---|----------------------|-----|----------------|--------|----------------------|----------------------|----------------------|------------|
| | R | L | ØD | e | L ₁ | L | | APKT 150412-PM/KM | SPMT 120408-PM/KM | |
| HMP01 -050×84EC-JT50-SP12-04 | △ | △ | 50 | 84 | 145 | 246.75 | 4 | 2 | 16 | JT |
| -063×74EC-JT50-SP12-04 | △ | △ | 63 | 74 | 135 | 236.75 | 4 | 2 | 14 | JT |
| -063×104EC-JT50-SP12-04 | △ | △ | 63 | 104 | 165 | 266.75 | 4 | 2 | 20 | JT |
| -063×134EC-JT50-SP12-04 | △ | △ | 63 | 134 | 195 | 296.75 | 4 | 2 | 26 | JT |
| -080×104EC-JT50-SP12-04 | △ | △ | 80 | 104 | 165 | 266.75 | 4 | 2 | 20 | JT |
| -080×144EC-JT50-SP12-04 | △ | △ | 80 | 144 | 205 | 306.75 | 4 | 2 | 28 | JT |
| -050×84EC-BT50-SP12-04 | △ | △ | 50 | 84 | 145 | 246.8 | 4 | 2 | 16 | BT |
| -063×74EC-BT50-SP12-04 | △ | △ | 63 | 74 | 135 | 236.8 | 4 | 2 | 14 | BT |
| -063×104EC-BT50-SP12-04 | △ | △ | 63 | 104 | 165 | 266.8 | 4 | 2 | 20 | BT |
| -063×134EC-BT50-SP12-04 | △ | △ | 63 | 134 | 195 | 296.8 | 4 | 2 | 26 | BT |
| -080×104EC-BT50-SP12-04 | △ | △ | 80 | 104 | 165 | 266.8 | 4 | 2 | 20 | BT |
| -080×144EC-BT50-SP12-04 | △ | △ | 80 | 144 | 205 | 306.8 | 4 | 2 | 28 | BT |

▲Stock available △Make-to-order

Indexable milling tools
Helical endmills with interchangeable heads

Spare parts

| Diameter ØD | Insert screw | Screw of interchangeable head | Wrench of insert screw | Wrench of interchangeable head | Interchangeable head |
|----------------|--------------|-------------------------------|------------------------|--------------------------------|----------------------|
| Ø50 | | | | | 050EC |
| Ø63 | | | | | 063EC |
| Ø80 | | | | | 080EC |



Tools code key

B22-B23

Grade selection guide

B18-B21

Technical data

B192-B198