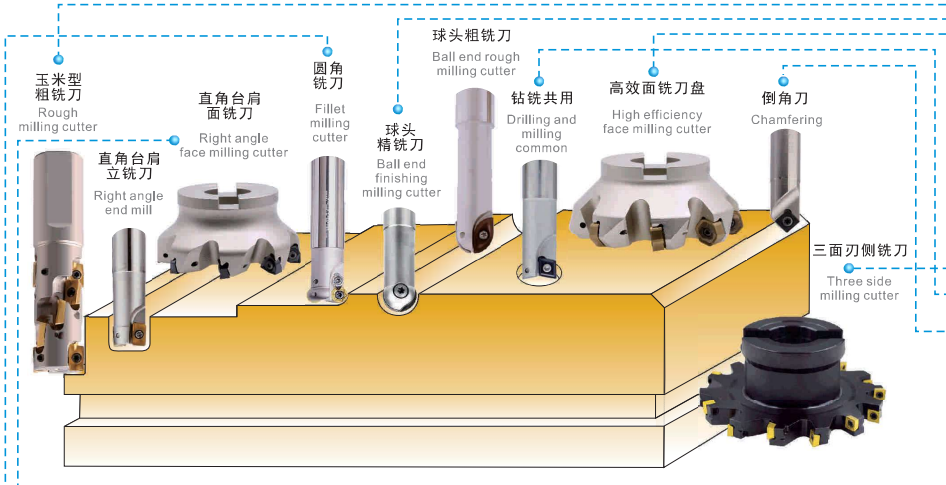



粗加工侧铣刀 Rough side milling cutter

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| APMT | AP | AP | AP | LPMT | SPMT | SPM | SPC | SPC | HMP01 | HMP01 |
| D13 | D52 | D52 | D52 | D53 | D53 | D54 | D5 | D54 | D54 | D54 |
| 适用刀柄 AP.. 玉米型粗铣刀 | 适用刀片 APMT.. 切削直径 ø25-ø50 玉米型粗铣刀 | 适用刀片 APMT.. 切削直径 ø50-ø80 玉米型粗铣刀 | 适用刀片 APMT.. 切削直径 ø50-ø80 玉米型粗铣刀 | 适用刀柄 SPM.. 玉米型粗铣刀 | 适用刀柄 SPC.. 玉米型粗铣刀 | 适用刀片 LP+SP.. 切削直径 ø25-ø50 玉米型粗铣刀 | 适用刀片 LP+SP.. 切削直径 ø50-ø80 玉米型粗铣刀 | 适用刀片 LP+SP.. 切削直径 ø50-ø80 玉米型粗铣刀 | 适用刀片 LP+SP.. 切削直径 ø50-ø80 玉米型粗铣刀 | 适用刀片 LP+SP.. 切削直径 ø50-ø80 玉米型粗铣刀 |

球头粗铣刀 Ball end rough milling cutter

| | | | |
|---|---|---|---|
| ZC.. | BCF | SWB.. | SWB |
| D37 | D37 | D38 | D38 |
| 适用刀柄 BCF.. 球头立铣刀 | 适用刀片 ZC.. 切削直径 R10-R25 球头立铣刀 | 适用刀柄 SWB.. 球头立铣刀 | 适用刀片SWB.. 切削直径 R12.5-R25 球头立铣刀 |

球头精铣刀 Ball end finishing milling cutter

| | | | | | |
|---|---|---|---|---|---|
| ZPFG.. | ABPF | ABPF | ZCFW.. | ARPF | BNM.. |
| D39 | D39 | D39 | D39 | D39 | D40 |
| 适用刀柄 ABPF.. 球头立铣刀 | 适用刀片 ZPFG.. 切削直径 R4-R15 球头立铣刀 | 适用刀片 ZPFG.. 切削直径 R4-R15 球头立铣刀 | 适用刀柄 ABPF.. 直角台肩立铣刀 | 适用刀片 ZCFW.. 切削直径 ø9-ø30 直角台肩立铣刀 | 适用刀柄 BNM.. 球头立铣刀 |
| BNM | BNM-R | BNM-S | P3200.. | T2139 | T2139M |
| D40 | D40 | D40 | D41 | D42 | D42 |
| 适用刀片BNM.. 切削直径 R5-R15 球头立铣刀 | 适用刀片 BNM.. 切削直径 R5-R15 球头立铣刀 | 适用刀片 BNM.. 切削直径 ø10-ø20 直角台肩立铣刀 | 适用刀柄 T2139.. 球头立铣刀 | 适用刀片 P3200.. 切削直径 R4-R16 球头立铣刀 | 适用刀片 P3200.. 切削直径 R4-R16 球头立铣刀 |

钻铣刀 Drilling and milling common

| | |
|---|---|
| AD/AP.. | ASJ |
| D43 | D43 |
| 适用刀柄 ASJ.. 钻孔铣削共用立铣刀 | 适用刀片 AD/AP.. 切削直径 ø17-ø35 钻孔铣削共用立铣刀 |

| | | |
|---|---|---|
| CC/CP.. | CH | TJU |
| D44 | D43 | D44 |
| 适用刀柄 TJU/CH.. 钻孔铣削共用立铣刀 | 适用刀片 CC.. 切削直径 ø14-ø32 钻孔铣削共用立铣刀 | 适用刀片 CC/CP.. 切削直径 ø5-ø32 钻孔铣削共用立铣刀 |

三面刃侧铣刀 Three side milling cutter

| | | | | |
|---|---|---|---|---|
| TGF/TT43.. | SMT | SMT | SMT | |
| D55 | D55 | D55 | D56 | |
| 适用刀柄 SMT.. 三面刃T型槽侧铣刀 | 适用刀片 TGF/TT.. 切削直径 ø25-ø44 三面刃T型槽侧铣刀 | 适用刀片 TGF/TT.. 切削直径 ø25-ø44 三面刃T型槽侧铣刀 | 适用刀片 TT43L.. 切削直径 ø63-ø80 三面刃T型槽侧铣刀 | |

| | | | | | |
|---|---|---|---|---|---|
| ATS | 890 | MPHT | DMP | DMP | DMP |
| D56 | D58 | D57 | D58 | D58 | D58 |
| 适用刀片 CC.. 切削直径 ø24-ø49 三面刃T型槽侧铣刀 | 适用刀片 N331.. 切削直径 ø18-ø115 三面刃T型槽侧铣刀 | 适用刀柄 DMP.. 三面刃T型槽侧铣刀 | 适用刀片 MPHT.. 切削直径 ø80-ø200 三面刃T型槽侧铣刀 | 适用刀片 MPHT.. 切削直径 ø21-ø50 三面刃T型槽侧铣刀 | 适用刀片 MPHT.. 切削直径 ø50-ø200 三面刃T型槽侧铣刀 |

| | | | | | |
|---|---|---|---|---|---|
| SPMG | SMP | SMP | XSEQ | SMP01 | SMP01 |
| D59 | D60 | D60 | D61 | D61 | D62 |
| 适用刀柄 SMP.. 三面刃T型槽侧铣刀 | 适用刀片 SPMG.. 切削直径 ø80-ø200 三面刃T型槽侧铣刀 | 适用刀片 SPMG.. 切削直径 ø80-ø200 三面刃T型槽侧铣刀 | 适用刀柄 SMP01.. 三面刃T型槽侧铣刀 | 适用刀片 XSEQ.. 切削直径 ø100-ø250 三面刃T型槽侧铣刀 | 适用刀片 XSEQ.. 切削直径 ø63-ø160 三面刃T型槽侧铣刀 |

倒角刀 Chamfering

| | | | |
|---|---|---|---|
| TCMX | SSP | TP | TP |
| D45 | D45 | D45 | D45 |
| 适用刀柄 SSP.. 45°正位倒角刀 | 适用刀片 TCMX.. 切削直径 ø40-ø63 45°正位倒角刀 | 适用刀柄 TP.. 30°/45°/60°倒角刀 | 适用刀片 TP.. 切削直径 ø5-ø50 30°/45°/60°倒角刀 |

| | | | | |
|---|---|---|---|---|
| TCMT | SSO | SSY | TCM | SSH |
| D46 | D46 | D46 | D46 | D46 |
| 适用刀柄 TP.. 倒角刀 | 适用刀片 TCMT.. 切削直径 ø11-ø16 15°倒角刀 | 适用刀片 TCMT.. 切削直径 ø20-ø20 30°倒角刀 | 适用刀片 TCMT.. 切削直径 ø5-ø40 45°倒角刀 | 适用刀片 TCMT.. 切削直径 ø4-ø25 60°倒角刀 |

| | | | | |
|---|---|---|---|---|
| ADNT | SSK | SDMB | SD | APMT |
| D47 | D47 | D47 | D47 | D48 |
| 适用刀柄 SSK.. 45°倒角刀 | 适用刀片 ADNT.. 切削直径 ø8-ø20 45°倒角刀 | 适用刀柄 SD.. 45°倒角刀 | 适用刀片 SDMB.. 切削直径 ø3-ø50 内外45°倒角刀 | 适用刀柄 SSK.. 45°倒角刀 |

| | | | | |
|---|---|---|---|---|
| SSK | MC | BC | MC | CA |
| D48 | D49 | D49 | D49 | D50 |
| 适用刀片 APMT.. 切削直径 ø3-ø50 45°倒角刀 | 适用刀片 SDMT.. 切削直径 ø12-ø30 倒角刀 | 适用刀片 TCMT.. 切削直径 ø20-ø31 侧拉45°倒角刀 | 适用刀片 CCMT.. 切削直径 ø18-ø40 侧拉沉头刀 | 适用刀片 CCMT.. 切削直径 ø18-ø98 镗孔专用双侧角沉头 |

面铣刀 Face milling

| | | | | |
|---|---|---|---|---|
| SEET | R245 | SEMT | ASX445 | |
| D74 | D74 | D73 | D73 | |
| 适用刀柄 R245.. 平面铣削加工 | 适用刀片 SEET.. 切削直径 ø63-ø250 平面铣削加工 | 适用刀柄 ASX445.. 平面铣削加工 | 适用刀片 SEMT.. 切削直径 ø50-ø250 平面铣削加工 | |

| | | | | |
|---|---|---|---|---|
| SEKT | KM | SEHT | AL-KM | SEKN |
| D76 | D75 | D76 | D75 | D78 |
| 适用刀柄 KM.. 平面铣削加工 | 适用刀片 SEKT.. 切削直径 ø50-ø300 平面铣削加工 | 适用刀柄 KM.. 平面铣削加工 | 适用刀片 SEHT.. 切削直径 ø50-ø300 平面铣削加工 | 适用刀柄 SE.. 平面铣削加工 |

| | | | | | |
|---|---|---|---|---|---|
| SEKR | SD-45° | SE-45° | SP-45° | FP-75° | |
| D78 | D77 | D77 | D77 | D78 | |
| 适用刀柄 SE.. 平面铣削加工 | 适用刀片 SD.. 切削直径 ø80-ø300 平面铣削加工 | 适用刀片 SE.. 切削直径 ø80-ø300 平面铣削加工 | 适用刀片 SP.. 切削直径 ø80-ø300 平面铣削加工 | 适用刀片 SP.. 切削直径 ø80-ø300 平面铣削加工 | |

高进给铣刀 High feed milling cutter

| | |
|---|---|
| 双面 HNGX | KSHR |
| D70 | D70 |
| 适用刀柄 KSHR.. 高进给立铣刀 | 适用刀片 HNGX.. 切削直径 ø40-ø315 高进给立铣刀 |

| | | | | | |
|---|---|---|---|---|---|
| 双面 BLMP | TEBL | TEBL | 双面 LNMU | EXN03 | EXN03 |
| D71 | D71 | D71 | D72 | D72 | D72 |
| 适用刀柄 TEBL.. 高进给立铣刀 | 适用刀片 BLMP.. 切削直径 ø16-ø33 高进给立铣刀 | 适用刀片 BLMP.. 切削直径 ø40-ø63 高进给立铣刀 | 适用刀柄 EXN03.. 高进给立铣刀 | 适用刀片 LNMU.. 切削直径 ø16-ø25 高进给立铣刀 | 适用刀片 LNMU.. 切削直径 ø40-ø63 高进给立铣刀 |

| | | | | | |
|---|---|---|---|---|---|
| JDMW/JDMW | AJX | AJX | AJX | OD | HEP |
| D63 | D63 | D64 | D64 | D70 | D68 |
| 适用刀柄 AJX.. 高进给立铣刀 | 适用刀片 JDMW.. 切削直径 ø16-ø50 高进给立铣刀 | 适用刀片 JDMW.. 切削直径 ø50-ø100 高进给立铣刀 | 适用刀片 JDMW.. 切削直径 ø16-ø26 高进给立铣刀 | 适用刀片 ODMT.. 切削直径 ø63-ø125 高进给立铣刀 | 适用刀片 XDMT.. 切削直径 ø63-ø200 高进给立铣刀 |

| | | | | | |
|---|---|---|---|---|---|
| EPNW | SDMT | ASR | ASR | ASF | ASRM |
| D66 | D66 | D65 | D66 | D66 | D66 |
| 适用刀柄 ASR06.. 高进给立铣刀 | 适用刀柄 ASF15.. 高进给立铣刀 | 适用刀片 JDMW.. 切削直径 ø16-ø40 高进给立铣刀 | 适用刀片 EPNW.. 切削直径 ø50-ø63 高进给立铣刀 | 适用刀片 SDMT.. 切削直径 ø80-ø200 高进给立铣刀 | 适用刀片 EPNW.. 切削直径 ø16-ø40 高进给立铣刀 |

| | | | | | |
|---|---|---|---|---|---|
| WDMW | SKS | SKS | WPMT | TXP | TXP |
| D68 | D67 | D68 | D69 | D69 | D69 |
| 适用刀柄 SKS.. 高进给立铣刀 | 适用刀片 WDMW.. 切削直径 ø16-ø40 高进给立铣刀 | 适用刀片 WDMW.. 切削直径 ø50-ø100 高进给立铣刀 | 适用刀柄 TXP.. 高进给立铣刀 | 适用刀片WPMT.. 切削直径 ø25-ø49 高进给立铣刀 | 适用刀片 WPMT.. 切削直径 ø50-ø100 高进给立铣刀 |

直角台肩立铣刀 Right angle end mill

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 双面 WNMU | R217.96 | R217.96 | 双面 WNMU | MFWN | 双面 6NGU | 6NTE | 6NTF | 3PKT.. | 3PTE.. | |
| D03 | D03 | D03 | D04 | D04 | D05 | D05 | D06 | D07 | D07 | |
| 适用刀柄 R217.96.. 直角台肩立铣刀 | 适用刀片 WN.. 切削直径 ø20-ø35 直角台肩立铣刀 | 适用刀片 WN.. 切削直径 ø40-ø63 直角台肩立铣刀 | 适用刀柄 MFWN.. 直角台肩立铣刀 | 适用刀片 WN.. 切削直径 ø50-ø250 直角台肩立铣刀 | 适用刀柄 6NT.. 直角台肩立铣刀 | 适用刀片 6NGU.. 切削直径 ø20-ø40 直角台肩立铣刀 | 适用刀片 6NGU.. 切削直径 ø40-ø160 直角台肩立铣刀 | 适用刀柄 3PKT.. 直角台肩立铣刀 | 适用刀片 3PKT.. 切削直径 ø16-ø50 直角台肩立铣刀 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3PTF.. | JDMT | AHU | AHUB | AHUM | JDMT07.. | ASM | ASMM | APKT.. | AP1003.. | BT..-AP10.. | AP1003.. |
| D08 | D10 | D09 | D10 | D10 | D11 | D11 | D11 | D12 | D12 | D12 | D12 |
| 适用刀片 3PKT.. 切削直径 ø40-ø160 直角台肩立铣刀 | 适用刀柄 AHU 直角台肩立铣刀 | 适用刀片 JDMT.. 切削直径 ø10-ø50 直角台肩立铣刀 | 适用刀片 JDMT.. 切削直径 ø50-ø100 直角台肩立铣刀 | 适用刀片 JDMT.. 切削直径 ø10-ø35 直角台肩立铣刀 | 适用刀柄 ASM.. 直角台肩立铣刀 | 适用刀片 JDMT07.. 切削直径 ø8-ø21 直角台肩立铣刀 | 适用刀片 JDMT07.. 切削直径 ø8-ø32 直角台肩立铣刀 | 适用刀柄 AP10.. 直角台肩立铣刀 | 适用刀片 APKT.. 切削直径 ø10-ø20 直角台肩立铣刀 | 适用刀片 APKT.. 切削直径 ø16-ø32 直角台肩立铣刀 | 适用刀片 APKT.. 切削直径 ø40-ø63 直角台肩立铣刀 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| APMT | BAP | AL-BAP | MA-AP | BAPM | BAP | RAP | R390.. | R390 | R390 | R390 | BT-R390 |
| D13 | D14 | D15 | D15 | D16 | D16 | D16 | D17 | D17 | D18 | D18 | D18 |
| 适用刀柄 BAP.. 直角台肩立铣刀 | 适用刀片 APMT.. 切削直径 ø10-ø50 直角台肩立铣刀 | 适用刀片 APMT.. 切削直径 ø50-ø300 直角台肩立铣刀 | 适用刀片 APMT.. 切削直径 ø74-ø328 直角台肩立铣刀 | 适用刀片 APMT.. 切削直径 ø16-ø35 直角台肩立铣刀 | 适用刀片 APMT.. 切削直径 ø40-ø300 直角台肩立铣刀 | 适用刀片 APMT.. 切削直径 ø50-ø250 直角台肩立铣刀 | 适用刀柄 R390.. 直角台肩立铣刀 | 适用刀片 R390.. 切削直径 ø16-ø32 直角台肩立铣刀 | 适用刀片 R390 切削直径 ø16-ø35 直角台肩立铣刀 | 适用刀片 R390.. 切削直径 ø50-ø160 直角台肩立铣刀 | 适用刀片 R390.. 切削直径 ø16-ø32 直角台肩立铣刀 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| RT.. | RT | RT | XOMX | T217.69 | AOMT | EPX3000 | SEET.. | FMP02R | AP/AD.. | UEX | BT-EDC |
| D19 | D20 | D20 | D20 | D20 | D21 | D21 | D22 | D22 | D23 | D23 | D23 |
| 适用刀柄 RT.. 直角台肩立铣刀 | 适用刀片 RT.. 切削直径 ø10-ø35 直角台肩立铣刀 | 适用刀片 RT.. 切削直径 ø10-ø35 直角台肩立铣刀 | 适用刀柄 T217.69.. 直角台肩立铣刀 | 适用刀片 XOMX.. 切削直径 ø8-ø26 直角台肩立铣刀 | 适用刀柄 EPX3000.. 直角台肩立铣刀 | 适用刀片 AOMT 切削直径 ø12-ø40 直角台肩立铣刀 | 适用刀片 SEET.. 切削直径 ø50-ø315 直角台肩立铣刀 | 适用刀柄 FMP02R.. 直角台肩立铣刀 | 适用刀柄 UEX.. 直角台肩立铣刀 | 适用刀片 AP/AD.. 切削直径 ø12-ø30 直角台肩立铣刀 | 适用刀片 EDC.. 切削直径 ø16-ø32 直角台肩立铣刀 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| AXMT | TE90 | TE90 | TP.. | TP | TP | SSD90 | ASX400 | WFX12 | WFX17 | |
| D24 | D24 | D24 | D25 | D25 | D25 | D26 | D26 | D26 | D26 | |
| 适用刀柄 TE90.. 直角台肩立铣刀 | 适用刀片AXMT.. 切削直径 ø8-ø35 直角台肩立铣刀 | 适用刀片AXMT.. 切削直径 ø8-ø35 直角台肩立铣刀 | 适用刀柄 TP.. 直角台肩立铣刀 | 适用刀片 TP.. 切削直径 ø5-ø80 直角台肩立铣刀 | 适用刀片 TP.. 切削直径 ø40-ø200 直角台肩立铣刀 | 适用刀片 SDMT.. 切削直径 ø50-ø125 直角台肩立铣刀 | 适用刀片 SPMT.. 切削直径 ø50-ø160 直角台肩立铣刀 | 适用刀片 SDMT.. 切削直径 ø50-ø125 直角台肩立铣刀 | 适用刀片 AXMT.. 切削直径 ø50-ø160 直角台肩立铣刀 | |

圆角立铣刀 Fillet end mill

| | | | | | | |
|---|---|---|---|---|---|---|
| RD.. | TRS | TRS | TRS | RN.. | KDR | KDR |
| D33 | D34 | D35 | D35 | D36 | D36 | D36 |
| 适用刀柄 TRS.. 圆角立铣刀 | 适用刀片 RD.. 切削直径 ø8-ø40 圆角立铣刀 | 适用刀片 RD.. 切削直径 ø50-ø160 圆角立铣刀 | 适用刀片 RD 切削直径 ø9-ø35 圆角立铣刀 | 适用刀柄 KDR.. 圆角立铣刀 | 适用刀片 RN.. 切削直径 ø32-ø40 圆角立铣刀 | 适用刀片 RN.. 切削直径 ø40-ø100 圆角立铣刀 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BT-MFT | MFL | | | | | | | |
| D79 | D80 | | | | | | | |
| 适用刀头 螺纹锁牙头 锁牙式刀柄 | 适用刀头 螺纹锁牙头 锁牙式刀柄 | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| RP.. | EMR | EMRM | EMR | EMRW | RC.. | R200 | R200 | |
| D27 | D28 | D28 | D29 | D29 | D31 | D32 | D32 | |
| 适用刀柄 EMR.. 圆角立铣刀 | 适用刀片 RP.. 切削直径 ø50-ø300 圆角立铣刀 | 选用刀片 RP.. 切削直径 ø16-ø35 圆角立铣刀 | 适用刀片 RP.. 切削直径 ø10-ø50 圆角立铣刀 | 适用刀片 RP.. 切削直径 ø12-ø50 圆角立铣刀 | 适用刀柄 R200.. 圆角立铣刀 | 适用刀片 RC.. 切削直径 ø20-ø32 圆角立铣刀 | 适用刀片 RC.. 切削直径 ø50-ø200 圆角立铣刀 | |

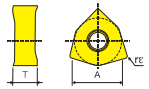
# WNMU 双面六角铣削刀杆刀盘
## Double sided hexagon milling cutter head

**WNMU** 平面高进给 双面有孔 铣削刀片

刀片(Insert):
WNMU0404 ZP153
Ap:0.6-3.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

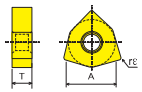
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ●◐ ✕✕✕◐● |
| M | 不锈钢 | Stainless Steel | ◐ ◐●●●◐◐ |
| K | 铸铁 | Iron | ● ◐ ◐✕✕✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ◐ |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕✕◐● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕✕◐● |

| 应用范围 Application | 用途 | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | BCD CBN-K CBN-S ZN60 ZK01 ZC32S ZP201 ZP150 ZP152 ZP153 ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High Feed Milling | | |  | WNMU 0404 | 0.8 | 6.35 | - | 4.76 | 刀柄: (Toolholder) D03 | ●●●●● |



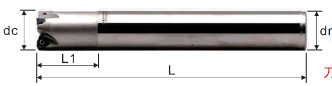
| | | | |
|---|---|---|---|
| P | 钢 | Steel | ●◐ ✕✕✕◐● |
| M | 不锈钢 | Stainless Steel | ◐ ◐●●●◐◐ |
| K | 铸铁 | Iron | ● ◐ ◐✕✕✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ◐ |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕✕◐● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕✕◐● |

| 应用范围 Application | 用途 | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | BCD CBN-K CBN-S ZN60 ZK01 ZC32S ZP201 ZP150 ZP152 ZP153 ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High Feed Milling | | |  | WNMU 080604EN-GM<br>080608EN-GM<br>低阻力 080608EN-SM<br>重切削用 080608EN-GH | 0.4<br>0.8<br>0.8<br>0.8 | 14.02<br>14.02<br>14.02<br>14.02 | -<br>-<br>-<br>- | 6.65<br>6.65<br>6.65<br>6.65 | 刀柄: (Toolholder) D04 | ●●●●● |



## R217.96 机夹式快进给立铣刀-双面六角刀片
Clip-Type Fast Feed End Milling Cutter -Double-Sided Hexagonal Insert

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04



刀片(Insert):
WNMU0404 ZP153
Ap:0.6-3.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions dc | dm | L1 | L | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337200 | R217.96-2020-04-3A | 20 | 20 | 30 | 150 | 3 | 800 |
| 337202 | R217.96-2021-04-3A | 21 | 20 | 30 | 150 | 3 | 820 |
| 337204 | R217.96-2525-04-4A | 25 | 25 | 60 | 170 | 4 | 950 |
| 337206 | R217.96-2526-04-4A | 26 | 25 | 35 | 170 | 4 | 1020 |
| 337208 | R217.96-3230-04-5A | 30 | 32 | 70 | 200 | 5 | 1750 |
| 337210 | R217.96-3232-04-5A | 32 | 32 | 70 | 200 | 5 | 1900 |
| 337212 | R217.96-3235-04-5A | 35 | 32 | 35 | 200 | 5 | 2000 |

## R217.96 机夹式快进给立铣刀刀盘-双面六角刀片
Clip-Type Fast Feed End Milling Cutter Head -Double-Sided Hexagonal Insert

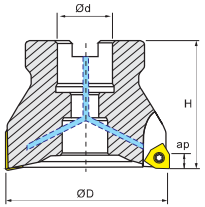
切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

刀片(Insert):
WNMU0404 ZP153
Ap:0.6-3.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions D | d | H | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|
| 337220 | R217.96-0040-04-6A | 40 | 16 | 40 | 6 | 1100 |
| 337222 | R217.96-0050-04-6A | 50 | 22 | 45 | 6 | 1350 |
| 337226 | R217.96-0063-04-8A | 63 | 22 | 45 | 8 | 1550 |

## MFWN 机夹式快进给立铣刀-双面六角刀片
Clip-Type Fast Feed End Milling Cutter-Double-Sided Hexagonal Insert





刀片(Insert):
WNMU0806 ZP153
Ap:0.6-8.0 (mm)
Fz:0.08-0.60 (mm/rev)
Vc:100-260 (m/min)

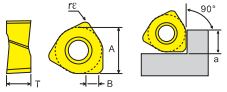
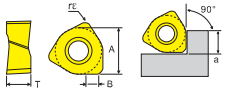
切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | H | 刃数 Edges | 重量 (kg) | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MFWN 90050R-3T-M | 50 | 22 | 50 | 3 | 0.4 | WNMU0806.. | M5.0×14 | T20 | ● | 337230 | 857 |
| 90063R-3T-M | 63 | 22 | 50 | 3 | 0.5 | | | | ● | 337232 | 1000 |
| 90063R-4T-M | 63 | 22 | 50 | 4 | 0.5 | | | | ● | 337234 | 1050 |
| 90063R-5T-M | 63 | 22 | 50 | 5 | 0.5 | | | | ● | 337236 | 1050 |
| 90080R-4T-M | 80 | 27 | 50 | 4 | 1.0 | | | | ● | 337238 | 1200 |
| 90080R-5T-M | 80 | 27 | 50 | 5 | 1.0 | | | | ● | 337240 | 1283 |
| 90080R-7T-M | 80 | 27 | 50 | 7 | 1.1 | | | | ● | 337242 | 1867 |
| 90100R-5T-M | 100 | 32 | 50 | 5 | 1.3 | | | | ● | 337244 | 1900 |
| 90100R-7T-M | 100 | 32 | 50 | 7 | 1.3 | | | | ● | 337246 | 1983 |
| 90100R-9T-M | 100 | 32 | 50 | 9 | 1.3 | | | | ● | 337248 | 2567 |
| 90125R-6T-M | 125 | 40 | 63 | 6 | 2.5 | | | | ● | 337250 | 2300 |
| 90125R-8T-M | 125 | 40 | 63 | 8 | 2.6 | | | | ● | 337252 | 2333 |
| 90125R-12T-M | 125 | 40 | 63 | 12 | 2.6 | | | | ● | 337254 | 3267 |
| 90160R-8T-M | 160 | 40 | 63 | 8 | 3.8 | | | | ● | 337256 | 3100 |
| 90160R-10T-M | 160 | 40 | 63 | 10 | 3.9 | | | | ● | 337258 | 3150 |
| 90160R-14T-M | 160 | 40 | 63 | 14 | 3.9 | | | | ● | 337260 | 4317 |
| 90200R-10T-M | 200 | 60 | 63 | 10 | 6.0 | | | | ● | 337262 | 4300 |
| 90200R-12T-M | 200 | 60 | 63 | 12 | 6.3 | | | | ● | 337264 | 4387 |
| 90200R-16T-M | 200 | 60 | 63 | 16 | 6.4 | | | | ● | 337266 | 5787 |
| 90250R-12T-M | 250 | 60 | 63 | 12 | 8.4 | | | | ● | 337268 | 7300 |
| 90250R-14T-M | 250 | 60 | 63 | 14 | 8.7 | | | | ● | 337270 | 7350 |
| 90250R-18T-M | 250 | 60 | 63 | 18 | 8.8 | | | | ● | 337272 | 9217 |

# 6NGU 直角台肩 双面有孔 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-A | ZN60 | ZK01 | ZK02S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ● | ✕ | ✕ | ✕ | ✕ | ● | ● | ● |
| M | 不锈钢 | Stainless Steel | | | | ● | | ● | ● | ● | ● | ● | ● |
| K | 铸铁 | Iron | | ● | | ● | | ● | ✕ | ✕ | ✕ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | ● | | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | | ✕ | ✕ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | | ✕ | ✕ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | L | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-A | ZN60 | ZK01 | ZK02S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right Angle Milling | |  | 6NGU 060404R-M<br>060405R-M<br>060408R-M<br>060410R-M<br>060416R-M | 0.4<br>0.5<br>0.8<br>1.0<br>1.6 | 9.26<br>9.26<br>9.26<br>9.26<br>9.26 | 2.36<br>2.36<br>1.96<br>1.76<br>1.16 | 4.76<br>4.76<br>4.76<br>4.76<br>4.76 | -<br>-<br>-<br>-<br>- | 6.2<br>6.2<br>6.2<br>6.2<br>6.2 | 刀柄: (Toolholder) D05-D06 | | | | • | • | • | • | • | • | • | • |
| 直角台肩铣削 Right Angle Milling | |  | 6NGU 090504R-M<br>090508R-M<br>090516R-M | 0.4<br>0.8<br>1.6 | 13.05<br>13.05<br>13.05 | 2.2<br>2.0<br>1.2 | 6.74<br>6.74<br>6.74 | -<br>-<br>- | 9.2<br>9.2<br>9.2 | 刀柄: (Toolholder) D05-D06 | | | | • | • | • | • | • | • | • | • |

## ■ 6NTE90 直角台肩铣刀

Right Angle Shoulder Milling Cutter

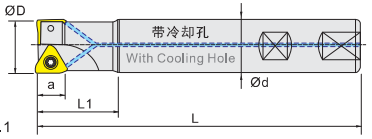



Fig.1

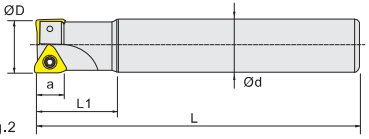


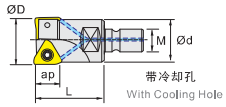

Fig.2

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | L | L1 | ap | 刃数 Edges | 图示 Fig | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6NTE90-225-W25-06 | 25 | 25 | 100 | 30 | 6.2 | 2 | 1 | 6NGU0604.. | M3.0×8<br>M4.0×10 | T10<br>T15 | ○ | 337300 | 1000 |
| 6NTE90-225-25-06-L150 | 25 | 25 | 150 | 30 | 6.2 | 2 | 2 | | | | ○ | 337301 | 800 |
| 6NTE90-232-W32-06 | 32 | 32 | 110 | 40 | 6.2 | 2 | 1 | | | | ○ | 337302 | 1000 |
| 6NTE90-232-32-06-L160 | 32 | 32 | 160 | 40 | 6.2 | 2 | 2 | | | | ○ | 337303 | 800 |
| 6NTE90-332-W32-06 | 32 | 32 | 110 | 40 | 6.2 | 3 | 1 | | | | ○ | 337304 | 1000 |
| 6NTE90-332-32-06-L160 | 32 | 32 | 160 | 40 | 6.2 | 3 | 2 | | | | ○ | 337305 | 800 |
| 6NTE90-340-W32-06 | 40 | 32 | 115 | 40 | 6.2 | 3 | 1 | | | | ○ | 337306 | 1200 |
| 6NTE90-340-32-06-L200 | 40 | 32 | 200 | 40 | 6.2 | 3 | 2 | | | | ○ | 337307 | 1000 |
| 6NTE90-440-W32-06 | 40 | 32 | 115 | 40 | 6.2 | 4 | 1 | | | | ○ | 337308 | 1500 |
| 6NTE90-232-W32-09 | 32 | 32 | 110 | 40 | 9.2 | 2 | 1 | 6NGU0905.. | M3.0×8<br>M4.0×10 | T10<br>T15 | ○ | 337309 | 1000 |
| 6NTE90-232-32-09-L160 | 32 | 32 | 160 | 40 | 9.2 | 2 | 2 | | | | ○ | 337310 | 900 |
| 6NTE90-340-W32-09 | 40 | 32 | 120 | 40 | 9.2 | 3 | 1 | | | | ○ | 337311 | 1200 |
| 6NTE90-340-32-09-L200 | 40 | 32 | 200 | 40 | 9.2 | 3 | 2 | | | | ○ | 337312 | 1000 |
| 6NTE90-440-W32-09 | 40 | 32 | 120 | 40 | 9.2 | 4 | 1 | | | | ○ | 337313 | 1500 |

## ■ 6NTE90 直角锁牙式刀头

Right angle locking toolholder

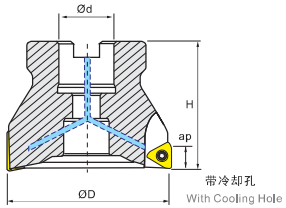



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | L | M | ap | 刃数 Edges | | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6NTE90-225-M12-06 | 25 | 21 | 35 | M12 | 6.2 | 2 | | 6NGU0604.. | M3.0×8<br>M4.0×10 | T10<br>T15 | ○ | 337320 | 700 |
| 6NTE90-332-M16-06 | 32 | 29 | 43 | M16 | 6.2 | 3 | | | | | ○ | 337321 | 800 |
| 6NTE90-440-M16-06 | 40 | 29 | 43 | M16 | 6.2 | 4 | | | | | ○ | 337322 | 900 |
| 6NTE90-232-M16-09 | 32 | 29 | 43 | M16 | 9.2 | 2 | | 6NGU0905.. | M3.0×8<br>M4.0×10 | T10<br>T15 | ○ | 337323 | 800 |
| 6NTE90-340-M16-09 | 40 | 29 | 43 | M16 | 9.2 | 3 | | | | | ○ | 337324 | 900 |
| 6NTE90-440-M16-09 | 40 | 29 | 43 | M16 | 9.2 | 4 | | | | | ○ | 337325 | 1000 |

## ■ 6NTF90 直角台肩铣刀刀盘

Right Angle Shoulder Milling Cutter



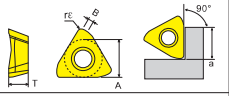
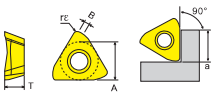
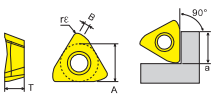

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | H | ap | | 刃数 Edges | 重量 (kg) | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6NTF90-440-16R-06 | 40 | 16 | 40 | 6.2 | | 4 | 0.3 | 6NGU0604.. | M3.0×8<br>M4.0×10 | T10<br>T15 | ○ | 337326 | 1000 |
| 6NTF90-450-22R-06 | 50 | 22 | 40 | 6.2 | | 4 | 0.4 | | | | ○ | 337327 | 1000 |
| 6NTF90-650-22R-06 | 50 | 22 | 40 | 6.2 | | 6 | 0.4 | | | | ○ | 337328 | 1200 |
| 6NTF90-463-22R-06 | 63 | 22 | 40 | 6.2 | | 4 | 0.5 | | | | ○ | 337329 | 1200 |
| 6NTF90-663-22R-06 | 63 | 22 | 40 | 6.2 | | 6 | 0.5 | | | | ○ | 337330 | 1400 |
| 6NTF90-763-22R-06 | 63 | 22 | 40 | 6.2 | | 7 | 0.5 | | | | ○ | 337331 | 1500 |
| 6NTF90-580-27R-06 | 80 | 27 | 50 | 6.2 | | 5 | 1.0 | | | | ○ | 337332 | 1500 |
| 6NTF90-780-27R-06 | 80 | 27 | 50 | 6.2 | | 7 | 1.0 | | | | ○ | 337333 | 1600 |
| 6NTF90-980-27R-06 | 80 | 27 | 50 | 6.2 | | 9 | 1.0 | | | | ○ | 337334 | 1700 |
| 6NTF90-6100-32R-06 | 100 | 32 | 50 | 6.2 | | 6 | 1.9 | | | | ○ | 337335 | 2000 |
| 6NTF90-8100-32R-06 | 100 | 32 | 50 | 6.2 | | 8 | 1.9 | | | | ○ | 337336 | 2200 |
| 6NTF90-11100-32R-06 | 100 | 32 | 50 | 6.2 | | 11 | 1.9 | | | | ○ | 337337 | 2500 |
| 6NTF90-7125-40R-06 | 125 | 40 | 63 | 6.2 | | 7 | 3.2 | | | | ○ | 337338 | 2200 |
| 6NTF90-11125-40R-06 | 125 | 40 | 63 | 6.2 | | 11 | 3.2 | | | | ○ | 337339 | 2500 |
| 6NTF90-14125-40R-06 | 125 | 40 | 63 | 6.2 | | 14 | 3.2 | | | | ○ | 337340 | 2800 |
| 6NTF90-450-22R-09 | 50 | 22 | 40 | 9.2 | | 4 | 0.34 | 6NGU0905.. | M3.0×8<br>M4.0×10 | T10<br>T15 | ○ | 337341 | 1000 |
| 6NTF90-550-22R-09 | 50 | 22 | 40 | 9.2 | | 5 | 0.35 | | | | ○ | 337342 | 1200 |
| 6NTF90-463-22R-09 | 63 | 22 | 40 | 9.2 | | 4 | 0.48 | | | | ○ | 337343 | 1200 |
| 6NTF90-663-22R-09 | 63 | 22 | 40 | 9.2 | | 6 | 0.51 | | | | ○ | 337344 | 1400 |
| 6NTF90-763-22R-09 | 63 | 22 | 40 | 9.2 | | 7 | 0.51 | | | | ○ | 337345 | 1500 |
| 6NTF90-580-27R-09 | 80 | 27 | 50 | 9.2 | | 5 | 1.04 | | | | ○ | 337346 | 1500 |
| 6NTF90-780-27R-09 | 80 | 27 | 50 | 9.2 | | 7 | 1.05 | | | | ○ | 337347 | 1600 |
| 6NTF90-980-27R-09 | 80 | 27 | 50 | 9.2 | | 9 | 1.07 | | | | ○ | 337348 | 1700 |
| 6NTF90-6100-32R-09 | 100 | 32 | 50 | 9.2 | | 6 | 1.85 | | | | ○ | 337349 | 2000 |
| 6NTF90-8100-32R-09 | 100 | 32 | 50 | 9.2 | | 8 | 1.82 | | | | ○ | 337350 | 2200 |
| 6NTF90-11100-32R-09 | 100 | 32 | 50 | 9.2 | | 11 | 1.9 | | | | ○ | 337351 | 2500 |
| 6NTF90-7125-40R-09 | 125 | 40 | 63 | 9.2 | | 7 | 3.07 | | | | ○ | 337352 | 2200 |
| 6NTF90-11125-40R-09 | 125 | 40 | 63 | 9.2 | | 11 | 3.09 | | | | ○ | 337353 | 2500 |
| 6NTF90-14125-40R-09 | 125 | 40 | 63 | 9.2 | | 14 | 3.15 | | | | ○ | 337354 | 2800 |
| 6NTF90-12160-40R-09 | 160 | 40 | 63 | 9.2 | | 12 | 4.27 | | | | ○ | 337355 | 3000 |
| 6NTF90-16160-40R-09 | 160 | 40 | 63 | 9.2 | | 16 | 4.29 | | | | ○ | 337356 | 3500 |

# 3PKT 直角台肩有孔铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK02 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | | ● | ● | ● | ✕ | ✕ | ✕ | ● | ● |
| M | 不锈钢 | Stainless Steel | | | | | ● | | ● | ● | ● | ● | ● |
| K | 铸铁 | Iron | | ● | | ● | ● | ● | ✕ | ✕ | ✕ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ● | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✕ | ✕ | ● | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✕ | ✕ | ● | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | L | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK02 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | 3PKT 100404R-M | 0.4 | 6.9 | 1.3 | 4 | - | 7 | 刀柄: (Toolholder) D07-D08 | | | | | | | ● | ● | ● | ● | ● |
| | | | 100408R-M | 0.5 | 6.9 | 0.9 | 4 | - | 7 | | | | | | | | ● | ● | ● | ● | ● |
| | | | 150508R-M | 0.8 | 10.7 | 1.6 | 5 | - | 11 | | | | | | | | ● | ● | ● | ● | ● |
| | | | 190608R-M | 1.0 | 13.5 | 2.0 | 6 | - | 15 | | | | | | | | ● | ● | ● | ● | ● |
| | | | 190616R-M | 1.6 | 13.5 | 1.2 | 6 | - | 15 | | | | | | | | ● | ● | ● | ● | ● |
| 直角台肩铣削 Right angle shoulder milling | |  | 3PKT 100404R-ML | 6.9 | 6.9 | 0.9 | 4 | - | 7 | 刀柄: (Toolholder) D07-D08 | | | | | | | ● | ● | ● | ● | ● |
| | | | 150508R-ML | 10.7 | 10.7 | 1.6 | 5 | - | 11 | | | | | | | | ● | ● | ● | ● | ● |
| | | | 190608R-ML | 13.5 | 13.5 | 2.0 | 6 | - | 15 | | | | | | | | ● | ● | ● | ● | ● |
| 直角台肩铣削 Right angle shoulder milling | 铝专用 Special for Aluminum |  | 3PHT 100404R-AL | 6.9 | 6.9 | 1.3 | 4 | - | 7 | 刀柄: (Toolholder) D07-D08 | | | | | ● | | | | | | |
| | | | 100408R-AL | 6.9 | 6.9 | 0.9 | 4 | - | 7 | | | | | | ● | | | | | | |
| | | | 150508R-AL | 10.7 | 10.7 | 1.6 | 5 | - | 11 | | | | | | ● | | | | | | |
| | | | 190608R-AL | 13.5 | 13.5 | 2.0 | 6 | - | 15 | | | | | | ● | | | | | | |

## ■ 3PTE90 直角台肩铣刀

Right Angle Shoulder Milling Cutter

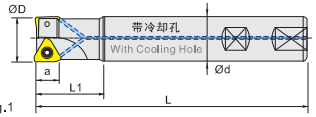


Fig.1

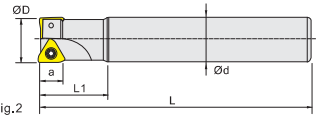


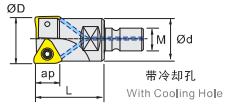
Fig.2

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | L | L1 | ap | 刃数 Edges | 图示 Fig | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3PTE90-116-W16-10 | 16 | 16 | 90 | 20 | 7 | 1 | 1 | 3PKT1004.. | M2.5×6 | T8 | ○ | 337400 | 800 |
| 3PTE90-220-W20-10 | 20 | 20 | 90 | 25 | 7 | 2 | 1 | | | | ○ | 337401 | 800 |
| 3PTE90-220-20-10-L170 | 20 | 20 | 170 | 40 | 7 | 2 | 2 | | | | ○ | 337402 | 600 |
| 3PTE90-221-20-10-L200 | 21 | 20 | 200 | 30 | 7 | 2 | 2 | | | | ○ | 337403 | 600 |
| 3PTE90-222-W20-10 | 22 | 20 | 100 | 25 | 7 | 2 | 1 | | | | ○ | 337404 | 800 |
| 3PTE90-225-25-10-L210 | 25 | 25 | 210 | 40 | 7 | 2 | 2 | | | | ○ | 337405 | 600 |
| 3PTE90-325-W25-10 | 25 | 25 | 100 | 30 | 7 | 3 | 1 | | | | ○ | 337406 | 600 |
| 3PTE90-325-25-10-L210 | 25 | 25 | 210 | 40 | 7 | 3 | 2 | | | | ○ | 337407 | 800 |
| 3PTE90-226-25-10-L250 | 26 | 25 | 250 | 30 | 7 | 2 | 2 | | | | ○ | 337408 | 1000 |
| 3PTE90-330-W25-10 | 30 | 25 | 110 | 35 | 7 | 3 | 1 | | | | ○ | 337409 | 1000 |
| 3PTE90-332-32-10-L250 | 32 | 32 | 250 | 60 | 7 | 3 | 2 | | | | ○ | 337410 | 900 |
| 3PTE90-432-W32-10 | 32 | 32 | 110 | 40 | 7 | 4 | 1 | | | | ○ | 337411 | 1000 |
| 3PTE90-532-W32-10 | 32 | 32 | 110 | 40 | 7 | 5 | 1 | | | | ○ | 337412 | 1000 |
| 3PTE90-333-32-10-L250 | 33 | 32 | 250 | 35 | 7 | 3 | 2 | | | | ○ | 337413 | 900 |
| 3PTE90-440-32-10-L200 | 40 | 32 | 200 | 40 | 7 | 4 | 2 | | | | ○ | 337414 | 1200 |
| 3PTE90-540-W32-10 | 40 | 32 | 115 | 40 | 7 | 5 | 1 | | | | ○ | 337415 | 1500 |
| 3PTE90-640-W32-10 | 40 | 32 | 115 | 40 | 7 | 6 | 1 | | | | ○ | 337416 | 1600 |
| 3PTE90-232-W32-15 | 32 | 32 | 110 | 40 | 11 | 2 | 1 | 3PKT1505.. | M4.0×10 | T15 | ○ | 337417 | 900 |
| 3PTE90-232-32-15-L250 | 32 | 32 | 250 | 60 | 11 | 2 | 2 | | | | ○ | 337418 | 1000 |
| 3PTE90-332-W32-15 | 32 | 32 | 110 | 40 | 11 | 3 | 1 | | | | ○ | 337419 | 900 |
| 3PTE90-332-32-15-L250 | 32 | 32 | 250 | 60 | 11 | 3 | 2 | | | | ○ | 337420 | 1200 |
| 3PTE90-233-32-15-L250 | 33 | 32 | 250 | 40 | 11 | 2 | 2 | | | | ○ | 337421 | 1000 |
| 3PTE90-340-W32-15 | 40 | 32 | 110 | 40 | 11 | 3 | 1 | | | | ○ | 337422 | 1000 |
| 3PTE90-340-32-15-L200 | 40 | 32 | 200 | 40 | 11 | 3 | 2 | | | | ○ | 337423 | 1100 |
| 3PTE90-440-W32-15 | 40 | 32 | 110 | 40 | 11 | 4 | 1 | | | | ○ | 337424 | 1200 |
| 3PTE90-240-32-19-L250 | 40 | 32 | 250 | 45 | 15 | 2 | 2 | 3PKT1906.. | M4.5×12 | T20 | ○ | 337425 | 1300 |
| 3PTE90-240-W32-19 | 40 | 32 | 115 | 45 | 15 | 2 | 1 | | | | ○ | 337426 | 1500 |
| 3PTE90-340-32-19-L200 | 40 | 32 | 200 | 45 | 15 | 3 | 2 | | | | ○ | 337427 | 1500 |
| 3PTE90-450-W32-19 | 50 | 32 | 115 | 45 | 15 | 4 | 1 | | | | ○ | 337428 | 1600 |

## ■ 3PTE90 直角锁牙式刀头

Right angle locking toolholder

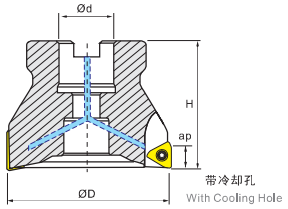



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | L | M | ap | 刃数 Edges | | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3PTE90-220-M10-10 | 20 | 18 | 35 | M10 | 7 | 2 | | 3PKT1004.. | M2.5×6 | T8 | ○ | 337430 | 900 |
| 3PTE90-325-M12-10 | 25 | 21 | 35 | M12 | 7 | 3 | | | | | ○ | 337431 | 900 |
| 3PTE90-432-M16-10 | 32 | 29 | 43 | M16 | 7 | 4 | | | | | ○ | 337432 | 1000 |
| 3PTE90-532-M16-10 | 32 | 29 | 43 | M16 | 7 | 5 | | | | | ○ | 337433 | 1200 |
| 3PTE90-540-M16-10 | 40 | 29 | 43 | M16 | 7 | 5 | | | | | ○ | 337434 | 1200 |
| 3PTE90-640-M16-10 | 40 | 29 | 43 | M16 | 7 | 6 | | | | | ○ | 337435 | 1500 |
| 3PTE90-232-M16-15 | 32 | 29 | 43 | M16 | 11 | 2 | | 3PKT1505.. | M4.0×10 | T15 | ○ | 337436 | 1000 |
| 3PTE90-332-M16-15 | 32 | 29 | 43 | M16 | 11 | 3 | | | | | ○ | 337437 | 1200 |
| 3PTE90-340-M16-15 | 40 | 29 | 43 | M16 | 11 | 3 | | | | | ○ | 337438 | 1200 |
| 3PTE90-440-M16-15 | 40 | 29 | 43 | M16 | 11 | 4 | | | | | ○ | 337439 | 1500 |
| 3PTE90-340-M16-19 | 40 | 29 | 43 | M16 | 15 | 3 | | 3PKT1906.. | M4.5×12 | T20 | ○ | 337440 | 1500 |

## ■ 3PTF90 直角台肩铣刀

Right Angle Shoulder Milling Cutter




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | H | ap | | 刃数 Edges | 重量 (kg) | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3PTF90-540-16R-10 | 40 | 16 | 40 | 7 | | 5 | 0.3 | 3PKT1004.. | M2.5×6 | T8 | ○ | 337441 | 700 |
| 3PTF90-640-16R-10 | 40 | 16 | 40 | 7 | | 6 | 0.3 | | | | ○ | 337442 | 800 |
| 3PTF90-650-22R-10 | 50 | 22 | 40 | 7 | | 6 | 0.4 | | | | ○ | 337443 | 800 |
| 3PTF90-750-22R-10 | 50 | 22 | 40 | 7 | | 7 | 0.4 | | | | ○ | 337444 | 1000 |
| 3PTF90-863-22R-10 | 63 | 22 | 40 | 7 | | 8 | 0.5 | | | | ○ | 337445 | 1000 |
| 3PTF90-963-22R-10 | 63 | 22 | 40 | 7 | | 9 | 0.5 | | | | ○ | 337446 | 1000 |
| 3PTF90-450-22R-15 | 50 | 22 | 40 | 11 | | 4 | 0.3 | 3PKT1505.. | M4.0×10 | T15 | ○ | 337447 | 1000 |
| 3PTF90-550-22R-15 | 50 | 22 | 40 | 11 | | 5 | 0.3 | | | | ○ | 337448 | 1000 |
| 3PTF90-663-22R-15 | 63 | 22 | 40 | 11 | | 6 | 0.5 | | | | ○ | 337449 | 1000 |
| 3PTF90-780-27R-15 | 80 | 27 | 50 | 11 | | 7 | 1.0 | | | | ○ | 337450 | 1200 |
| 3PTF90-880-27R-15 | 80 | 27 | 50 | 11 | | 8 | 1.0 | | | | ○ | 337451 | 1200 |
| 3PTF90-8100-32R-15 | 100 | 32 | 50 | 11 | | 8 | 1.9 | | | | ○ | 337452 | 1500 |
| 3PTF90-10100-32R-15 | 100 | 32 | 50 | 11 | | 10 | 1.9 | | | | ○ | 337453 | 1600 |
| 3PTF90-10125-40R-15 | 125 | 40 | 63 | 11 | | 10 | 3.1 | | | | ○ | 337454 | 1600 |
| 3PTF90-12125-40R15 | 125 | 40 | 63 | 11 | | 12 | 3.1 | | | | ○ | 337455 | 2000 |
| 3PTF90-463-22R-19 | 63 | 22 | 40 | 15 | | 4 | 0.43 | 3PKT1906.. | M4.5×12 | T20 | ○ | 337456 | 1200 |
| 3PTF90-663-22R-19 | 63 | 22 | 40 | 15 | | 6 | 0.93 | | | | ○ | 337457 | 1300 |
| 3PTF90-480-27R-19 | 80 | 27 | 50 | 15 | | 4 | 0.94 | | | | ○ | 337458 | 1500 |
| 3PTF90-780-27R-19 | 80 | 27 | 50 | 15 | | 7 | 0.95 | | | | ○ | 337459 | 1800 |
| 3PTF90-6100-32R-19 | 100 | 32 | 50 | 15 | | 6 | 1.79 | | | | ○ | 337460 | 1800 |
| 3PTF90-8100-32R-19 | 100 | 32 | 50 | 15 | | 8 | 2.56 | | | | ○ | 337461 | 2000 |
| 3PTF90-8125-40R-19 | 125 | 40 | 63 | 15 | | 8 | 2.99 | | | | ○ | 337462 | 2000 |
| 3PTF90-10125-40R-19 | 125 | 40 | 63 | 15 | | 10 | 3.1 | | | | ○ | 337463 | 2500 |
| 3PTF90-8160-40R-19 | 160 | 40 | 63 | 15 | | 8 | 4.22 | | | | ○ | 337464 | 2500 |
| 3PTF90-12160-40R-19 | 160 | 40 | 63 | 15 | | 12 | 4.33 | | | | ○ | 337465 | 3000 |

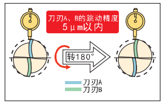
刀杆刀盘
直角台肩立铣刀
圆角铣刀
球头铣刀
钻铣刀杆
倒角刀杆
玉米铣刀
三面刃槽刀
快进给系列
龙门平面铣刀
锁牙式刀柄

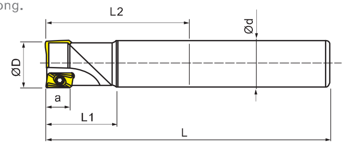
## AHU

直角台肩铣刀

Right Angle Shoulder Milling Cutter

- 适合强力切削，回转及进刀量是一般铣刀的3倍
- 刃口锋利，强固。
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.



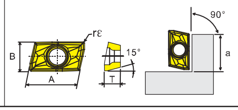

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | 刃数 No.of Flutes | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU10R10-10-100-1T | 10 | 10 | 100 | 30 | 1 | 9 | JDMT 1003□□R | M2.5×6 | T8 | ● | 322900 | 100 |
| AHU10R12-12-120-1T | 12 | 12 | 120 | 30 | 1 | | | | | ● | 322902 | 100 |
| AHU10R12-13-130-1T | 13 | 12 | 130 | 30 | 1 | | | | | ● | 322904 | 100 |
| AHU10R16-16-120-2T | 16 | 16 | 120 | 30 | 2 | | | | | ● | 322906 | 100 |
| AHU10R16-16-160-2T | 16 | 16 | 160 | 40 | 2 | | | | | ● | 322908 | 100 |
| AHU10R16-16-200-2T | 16 | 16 | 200 | 50 | 2 | | | | | ● | 322910 | 130 |
| AHU10R16-16-250-2T | 16 | 16 | 250 | 60 | 2 | | | | | ● | 322912 | 160 |
| AHU10R16-17-120-2T | 17 | 16 | 120 | 30 | 2 | | | | | ● | 322914 | 100 |
| AHU10R16-17-160-2T | 17 | 16 | 160 | 40 | 2 | | | | | ● | 322916 | 130 |
| AHU10R16-17-200-2T | 17 | 16 | 200 | 50 | 2 | | | | | ● | 322918 | 160 |
| AHU10R16-17-250-2T | 17 | 16 | 250 | 60 | 2 | | | | | ● | 322920 | 200 |
| AHU10R20-20-120-2T | 20 | 20 | 120 | 30 | 2 | | | | | ● | 322922 | 120 |
| AHU10R20-20-160-2T | 20 | 20 | 160 | 40 | 2 | | | | | ● | 322924 | 120 |
| AHU10R20-20-200-2T | 20 | 20 | 200 | 50 | 2 | | | | | ● | 322926 | 135 |
| AHU10R20-20-250-2T | 20 | 20 | 250 | 60 | 2 | | | | | ● | 322928 | 220 |
| AHU10R20-21-120-2T | 21 | 20 | 120 | 30 | 2 | | | | | ● | 322930 | 120 |
| AHU10R20-21-160-2T | 21 | 20 | 160 | 40 | 2 | | | | | ● | 322932 | 120 |
| AHU10R20-21-200-2T | 21 | 20 | 200 | 50 | 2 | | | | | ● | 322934 | 135 |
| AHU10R20-21-250-2T | 21 | 20 | 250 | 60 | 2 | | | | | ● | 322936 | 220 |
| AHU10R25-25-120-4T | 25 | 25 | 120 | 35 | 4 | | | | | ● | 322938 | 160 |
| AHU10R25-25-160-4T | 25 | 25 | 160 | 50 | 4 | | | | | ● | 322940 | 160 |
| AHU10R25-25-200-4T | 25 | 25 | 200 | 75 | 4 | | | | | ● | 322942 | 180 |
| AHU10R25-25-250-4T | 25 | 25 | 250 | 90 | 4 | | | | | ● | 322944 | 240 |
| AHU10R25-26-120-4T | 26 | 25 | 120 | 35 | 4 | | | | | ● | 322946 | 160 |
| AHU10R25-26-160-4T | 26 | 25 | 160 | 50 | 4 | | | | | ● | 322948 | 160 |
| AHU10R25-26-200-4T | 26 | 25 | 200 | 75 | 4 | | | | | ● | 322950 | 180 |
| AHU10R25-26-250-4T | 26 | 25 | 250 | 90 | 4 | | | | | ● | 322952 | 240 |
| AHU10R25-30-160-4T | 30 | 25 | 160 | 45 | 4 | | | | | ● | 322954 | 180 |
| AHU10R25-30-200-4T | 30 | 25 | 200 | 50 | 4 | | | | | ● | 322956 | 200 |
| AHU10R25-30-250-4T | 30 | 25 | 250 | 75 | 4 | | | | | ● | 322958 | 260 |
| AHU10R32-30-180-4T | 30 | 32 | 180 | 75 | 4 | | | | | ● | 322960 | 220 |
| AHU10R32-32-130-5T | 32 | 32 | 130 | 45 | 5 | | | | | ● | 322962 | 260 |
| AHU10R32-32-200-4T | 32 | 32 | 200 | 90 | 4 | | | | | ○ | 322964 | 350 |
| AHU10R32-35-200-4T | 35 | 32 | 200 | 45 | 4 | | | | | ○ | 322966 | 400 |
| AHU15R25-25-130-2T | 25 | 25 | 130 | 40 | 2 | 14 | JDMT 1505□□R | M4×9 | T15 | ● | 322968 | 150 |
| AHU15R25-25-150-2T | 25 | 25 | 150 | 40 | 2 | | | | | ● | 322970 | 150 |
| AHU15R25-25-170-2T | 25 | 25 | 170 | 75 | 2 | | | | | ● | 322972 | 160 |
| AHU15R25-25-180-2T | 25 | 25 | 180 | 75 | 2 | | | | | ● | 322974 | 160 |
| AHU15R25-25-200-2T | 25 | 25 | 200 | 75 | 2 | | | | | ● | 322976 | 160 |
| AHU15R25-25-250-2T | 25 | 25 | 250 | 90 | 2 | | | | | ● | 322978 | 220 |
| AHU15R25-26-150-2T | 26 | 25 | 150 | 40 | 2 | | | | | ● | 322980 | 150 |
| AHU15R25-26-180-2T | 26 | 25 | 180 | 75 | 2 | | | | | ● | 322982 | 160 |
| AHU15R25-26-200-2T | 26 | 25 | 200 | 75 | 2 | | | | | ● | 322984 | 160 |
| AHU15R25-26-250-2T | 26 | 25 | 250 | 90 | 2 | | | | | ● | 322986 | 220 |
| AHU15R25-26-300-2T | 26 | 25 | 300 | 90 | 2 | | | | | ● | 322988 | 280 |
| AHU15R25-30-130-2T | 30 | 25 | 130 | 45 | 2 | | | | | ● | 322990 | 180 |
| AHU15R32-32-140-3T | 32 | 32 | 140 | 45 | 3 | | | | | ● | 322992 | 220 |
| AHU15R32-32-200-3T | 32 | 32 | 200 | 90 | 3 | | | | | ● | 322994 | 220 |
| AHU15R32-32-250-3T | 32 | 32 | 250 | 90 | 3 | | | | | ● | 322996 | 260 |
| AHU15R32-32-300-3T | 32 | 32 | 300 | 90 | 3 | | | | | ● | 322998 | 320 |
| AHU15R32-35-200-3T | 35 | 32 | 200 | 90 | 3 | | | | | ● | 323000 | 220 |
| AHU15R32-35-250-3T | 35 | 32 | 250 | 90 | 3 | | | | | ● | 323002 | 260 |
| AHU15R32-35-300-3T | 35 | 32 | 300 | 90 | 3 | | | | | ● | 323004 | 320 |
| AHU15R32-35-350-3T | 35 | 32 | 350 | 90 | 3 | | | | | ● | 323006 | 380 |
| AHU15R32-35-400-3T | 35 | 32 | 400 | 90 | 3 | | | | | ● | 323008 | 450 |
| AHU15R32-40-140-4T | 40 | 32 | 140 | 45 | 4 | | | | | ● | 323010 | 260 |
| AHU15R32-40-220-4T | 40 | 32 | 220 | 45 | 4 | | | | | ○ | 323012 | 350 |
| AHU15R32-50-140-5T | 50 | 32 | 140 | 45 | 5 | | | | | ○ | 323014 | 380 |
| AHU15R42-50-220-4T | 50 | 42 | 220 | 45 | 4 | | | | | ○ | 323016 | 450 |

## JDMT 直角台肩 有孔 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

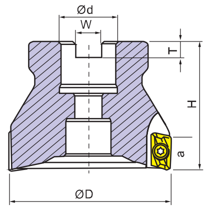
| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✖ | ✖ | ✖ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✖ | ✖ | ✖ | ◐ | ○ |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✖ | ✖ | ✖ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◐ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✖ | ✖ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✖ | ✖ | ◐ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | B | T | L | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right Angle Milling | |  | JDMT 100304R | 0.4 | 11.0 | 6.1 | 3.5 | - | 10 | 刀柄：(Toolholder) D09-D10 | ● | ● | ● | | | | | ● | ● | ● | |
| | | | 100308R | 0.8 | 11.0 | 6.1 | 3.5 | - | 10 | | ● | ● | ● | | | | | ● | ● | ● | |
| | | | 100320R | 2.0 | 11.0 | 6.1 | 3.5 | - | 10 | | ● | ● | ● | | | | | | | | |
| | | | 100332R | 3.2 | 11.0 | 6.1 | 3.5 | - | 10 | | ● | ● | ● | | | | | | | | |
| | | | 150504R | 0.4 | 16.0 | 9.12 | 5.0 | - | 15 | | ● | ● | ● | | | | | ● | ● | ● | |
| | | | 150508R | 0.8 | 16.0 | 9.12 | 5.0 | - | 15 | | ● | ● | ● | | | | | ● | ● | ● | |
| | | | 150520R | 2.0 | 16.0 | 9.12 | 5.0 | - | 15 | | ● | ● | ● | | | | | | | | |
| | | | 150530R | 3.0 | 16.0 | 9.12 | 5.0 | - | 15 | | ● | ● | ● | | | | | | | | |



## AHUB 直角台肩壳形面铣刀

Right Angle Shoulder Shell Face Milling Cutter



- 刀片经济，适用性高
- 容屑空间大，排屑好
- 锥形设计，钢性好
- ★ Blade economy, the applicability of high
- ★ Capacity chip a large space, good chip disposal
- ★ Cone design, steel high

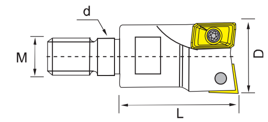
切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHUB-50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 16 | JDMT 1505□□ R | M4×10 | T15 | ● | 200 | 200 |
| AHUB-63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 16 | | | | ● | 225 | 225 |
| AHUB-80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 16 | | | | ● | 350 | 350 |
| AHUB-100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 16 | | | | ● | 540 | 540 |

>>AHU10型刀盘（可装JDMT1003..刀片）均有现货，价格与参数请咨询我司客服。

## AHUM直角台肩立铣刀

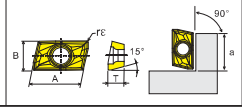
Shoulder/Cutting End Mills(AHUM)




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

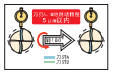
| 型号 Cat. No | 尺寸 Size D | L | d | M | Teeth | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AHUM1016R-2 | 16 | 25 | 8.5 | M8 | 2 | JDMT100308 | M2.5X6 | T8 | ● | 323100 | 150 |
| AHUM1017R-2 | 17 | 25 | 8.5 | M8 | 2 | | | | ● | 323102 | 200 |
| AHUM1018R-2 | 18 | 25 | 8.5 | M8 | 2 | | | | ○ | 323104 | 200 |
| AHUM1020R-3 | 20 | 30 | 10.5 | M10 | 3 | | | | ● | 323106 | 150 |
| AHUM1021R-3 | 21 | 30 | 10.5 | M10 | 3 | | | | ● | 323108 | 200 |
| AHUM1022R-3 | 22 | 30 | 10.5 | M10 | 3 | | | | ○ | 323110 | 200 |
| AHUM1025R-4 | 25 | 35 | 12.5 | M12 | 4 | | | | ● | 323112 | 160 |
| AHUM1026R-4 | 26 | 35 | 12.5 | M12 | 4 | | | | ● | 323114 | 200 |
| AHUM1028R-4 | 28 | 35 | 12.5 | M12 | 4 | | | | ○ | 323116 | 300 |
| AHUM1030R-5 | 30 | 40 | 17 | M16 | 5 | | | | ○ | 323118 | 300 |
| AHUM1032R-5 | 32 | 40 | 17 | M16 | 5 | | | | ○ | 323120 | 400 |
| AHUM1035R-5 | 35 | 40 | 17 | M16 | 5 | | | | ○ | 323122 | 400 |
| AHUM1040R-6 | 40 | 40 | 17 | M16 | 6 | | | | ○ | 323124 | 500 |
| AHUM1525R-2 | 25 | 35 | 12.5 | M12 | 2 | JDMT150508 | M4X9 | T15 | ● | 323126 | 160 |
| AHUM1526R-2 | 26 | 35 | 12.5 | M12 | 2 | | | | ○ | 323128 | 200 |
| AHUM1528R-3 | 28 | 35 | 12.5 | M12 | 3 | | | | ○ | 323130 | 300 |
| AHUM1530R-3 | 30 | 40 | 17 | M16 | 3 | | | | ● | 323132 | 160 |
| AHUM1532R-3 | 32 | 40 | 17 | M16 | 3 | | | | ● | 323134 | 200 |
| AHUM1535R-3 | 35 | 40 | 17 | M16 | 3 | | | | ○ | 323136 | 400 |

# JDMT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZC01 | ZC22S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | JDMT 070202R | 0.2 | 6.4 | 4.3 | 2.45 | 6 | 刀柄：(Toolholder) D11 | ● | ● | ● | | | | | ● | ● | ● | ● |
| | | | 070204R | 0.4 | 6.4 | 4.3 | 2.45 | 6 | | ● | ● | ● | | | | | ● | ● | ● | ● |
| | | | 070208R | 0.8 | 6.4 | 4.3 | 2.45 | 6 | | ● | ● | ● | | | | | ● | ● | ● | ● |
| | | | EDMT 070220R-T | 2.0 | 6.4 | 4.3 | 2.5 | 6 | | ● | ● | ● | | | | | | | | |
| | | | 070220R | 2.0 | 6.4 | 4.3 | 2.5 | 6 | | ● | ● | ● | | | | | | | | |

## ■ ASM 直角台肩精铣刀

Right angle shoulder fine milling cutter



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

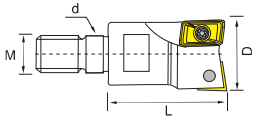
●适合强力切削，回转及进刀量是一般铣刀的3倍
●刃口锋利，强固。

★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
★ Blade sharp, strong.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| ASM07R10-08-75-1T | 8 | 10 | 75 | 16 | JDMT070208 | M1.8X4 | T6 | ● | 323300 | 220 |
| ASM07R10-10-100-2T | 10 | 10 | 100 | 20 | | | | ● | 323302 | 215 |
| ASM07R10-11-100-2T | 11 | 10 | 100 | 20 | | | | ● | 323304 | 215 |
| ASM07R12-12-120-2T | 12 | 12 | 120 | 25 | | | | ● | 323306 | 215 |
| ASM07R12-13-120-2T | 13 | 12 | 120 | 25 | | | | ● | 323308 | 215 |
| ASM07R12-14-120-3T | 14 | 12 | 120 | 25 | | | | ● | 323310 | 230 |
| ASM07R16-16-120-3T | 16 | 16 | 120 | 50 | | | | ● | 323312 | 230 |
| ASM07R16-16-160-3T | 16 | 16 | 160 | 50 | | | | ● | 323314 | 240 |
| ASM07R16-16-160-4T | 16 | 16 | 160 | 50 | | | | ● | 323316 | 280 |
| ASM07R16-17-160-3T | 17 | 16 | 160 | 50 | | | | ● | 323318 | 240 |
| ASM07R16-17-160-4T | 17 | 16 | 160 | 50 | | | | ● | 323320 | 280 |
| ASM07R16-17-200-3T | 17 | 16 | 200 | 50 | | | | ● | 323322 | 250 |
| ASM07R20-20-160-4T | 20 | 20 | 160 | 60 | | | | ● | 323324 | 260 |
| ASM07R20-20-200-4T | 20 | 20 | 200 | 60 | | | | ● | 323326 | 280 |
| ASM07R20-21-160-4T | 21 | 20 | 160 | 60 | | | | ● | 323328 | 260 |
| ASM07R20-21-200-4T | 21 | 20 | 200 | 60 | | | | ● | 323330 | 280 |

## ■ ASMM 超级迷你小径铣刀头

ASMM07 Super Excellent Mini ASM-Modular type



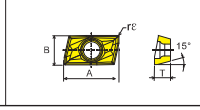

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | L | d | M | Teeth | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ASMM0708R-1 | 8 | 20 | 6.5 | M6 | 1 | JDMT0702..R EDMT0702..R | M2.5X6 | T8 | ○ | 323400 | 400 |
| ASMM0710R-2 | 10 | 20 | 6.5 | M6 | 2 | | | | ● | 323402 | 400 |
| ASMM0711R-2 | 11 | 20 | 6.5 | M6 | 2 | | | | ● | 323404 | 400 |
| ASMM0712R-2 | 12 | 20 | 6.5 | M6 | 2 | | | | ● | 323406 | 400 |
| ASMM0712R-3 | 12 | 20 | 6.5 | M6 | 3 | | | | ● | 323408 | 400 |
| ASMM0713R-3 | 13 | 20 | 6.5 | M6 | 3 | | | | ○ | 323410 | 400 |
| ASMM0716R-3 | 16 | 25 | 8.5 | M8 | 3 | | | | ○ | 323412 | 400 |
| ASMM0716R-4 | 16 | 25 | 8.5 | M8 | 4 | | | | ● | 323414 | 400 |
| ASMM0717R-3 | 17 | 25 | 8.5 | M8 | 3 | | | | ○ | 323416 | 400 |
| ASMM0717R-4 | 17 | 25 | 8.5 | M8 | 4 | | | | ● | 323418 | 400 |
| ASMM0720R-4 | 20 | 30 | 10.5 | M10 | 4 | | | | ● | 323420 | 400 |
| ASMM0720R-5 | 20 | 30 | 10.5 | M10 | 5 | | | | ○ | 323422 | 500 |
| ASMM0721R-4 | 21 | 30 | 10.5 | M10 | 4 | | | | ● | 323424 | 400 |
| ASMM0725R-5 | 25 | 30 | 12.5 | M12 | 5 | | | | ○ | 323426 | 500 |
| ASMM0725R-6 | 25 | 30 | 12.5 | M12 | 6 | | | | ○ | 323428 | 600 |
| ASMM0726R-5 | 26 | 30 | 17 | M12 | 5 | | | | ○ | 323430 | 500 |
| ASMM0726R-6 | 26 | 30 | 17 | M12 | 6 | | | | ○ | 323432 | 600 |
| ASMM0732R-5 | 32 | 30 | 17 | M16 | 5 | | | | ○ | 323434 | 600 |
| ASMM0732R-8 | 32 | 30 | 17 | M16 | 8 | | | | ○ | 323436 | 800 |





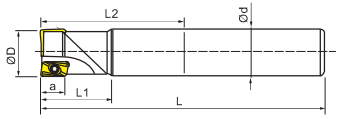
# APKT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZC22S | ZP150 | ZP151 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | APKT 1003PDR-HM | 0.5 | 10.95 | 6.7 | 3.55 | 刀柄：(Toolholder) D12 | ● | ● | ● | | ● | | | | | |
| | | | 1003PDTR-76 | 0.5 | 11.00 | 6.7 | 3.47 | | ● | ● | ● | | ● | | | | | |
| | | | 1003PDTR-RM | 0.5 | 11.00 | 6.7 | 3.47 | | ● | ● | ● | | | ● | ● | | ● | |
| | | | 100308PDTR-RM | 0.8 | 11.00 | 6.7 | 3.47 | | ● | ● | ● | | | ● | ● | | ● | |
| | | | 100310PDR-RM | 1.0 | 10.75 | 6.7 | 3.47 | | ● | ● | ● | | | | | | | |
| | | | 100312TR-RM | 1.2 | 10.50 | 6.7 | 3.47 | | ● | ● | ● | | | | | | | |
| | | | 100316PDTR-RM | 1.6 | 10.90 | 6.7 | 3.47 | | ● | ● | ● | | | | | | | |
| | | | 100320PDTR-RM | 2.0 | 10.90 | 6.7 | 3.47 | | ● | ● | ● | | | | | | | |

## ■ AP1003 直角台肩铣刀

Right Angle Shoulder Milling Cutter

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04




●适合强力切削，回转及进刀量是一般铣刀的3倍
●刃口锋利，强固。

★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
★ Blade sharp, strong.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | 刃数 No.of Flutes | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AP1003R16-16-100-2T | 16 | 16 | 100 | 30 | 2 | 9 | APKT1003.. | M2.5×6 | T8 | ○ | 323600 | 180 |
| AP1003R16-16-150-2T | 16 | 16 | 150 | 30 | 2 | | | | | ○ | 323602 | 180 |
| AP1003R20-18-150-2T | 18 | 20 | 150 | 30 | 2 | | | | | ○ | 323604 | 200 |
| AP1003R20-18-200-2T | 18 | 20 | 200 | 30 | 2 | | | | | ○ | 323606 | 200 |
| AP1003R20-20-100-2T | 20 | 20 | 100 | 30 | 2 | | | | | ○ | 323608 | 200 |
| AP1003R20-20-150-2T | 20 | 20 | 150 | 30 | 2 | | | | | ○ | 323610 | 200 |

## ■ AP10一体式高速强力方肩铣刀

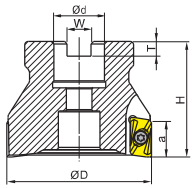
AP10 integrated high strength square shoulder milling cutter

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 Edges | 总长 L | 有效长 L1 | 直径 D | 刀片 Insert | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|
| BT30-AP10-16-2T | 2 | 155 | 90 | 16 | APKT1003 | 323700 | 950 |
| BT30-AP10-20-2T | 2 | 155 | 90 | 20 | | 323702 | 950 |
| BT30-AP10-25-3T | 3 | 155 | 90 | 25 | | 323704 | 1000 |
| BT30-AP10-32-4T | 4 | 155 | 90 | 32 | | 323706 | 1150 |
| BT40-AP10-16-2T | 2 | 155 | 90 | 16 | | 323710 | 1000 |
| BT40-AP10-20-2T | 2 | 155 | 90 | 20 | | 323712 | 1000 |
| BT40-AP10-25-3T | 3 | 155 | 90 | 25 | | 323714 | 1150 |
| BT40-AP10-32-4T | 4 | 155 | 90 | 32 | | 323716 | 1250 |

## ■ AP 直角台肩面铣刀盘

AP Right angle shoulder face mill



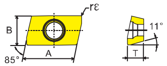
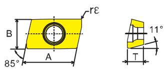
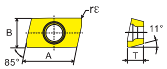
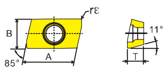
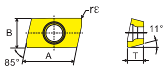
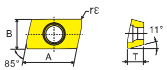
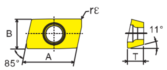
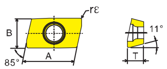
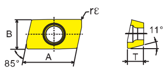

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 No.of flutes | 尺寸 Size D | d | H | W | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AP1003R40-16-5T | 5 | 40 | 16 | 40 | 10.4 | APKT1003 APKX1003 | M2.5×6 | T8 | ● | 323800 | 420 |
| AP1003R50-22-6T | 6 | 50 | 22 | 45 | 10.4 | | | | ● | 323802 | 380 |
| AP1003R63-22-7T | 7 | 63 | 22 | 45 | 10.4 | | | | ● | 323804 | 420 |

# APMT 直角台肩 有孔 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

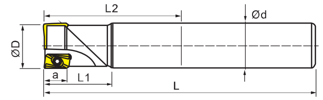
| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✖ | ✖ | ✖ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✖ | ✖ | ✖ | ◐ | ○ |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✖ | ✖ | ✖ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◐ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✖ | ✖ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✖ | ✖ | ◐ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right Angle Milling | 铜铝非铁金属专用 Special for copper aluminum metal |  | APKT 1135PDER-G2<br>1604PDER-G2 | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | | ●<br>● | | | | | | |
| 直角台肩铣削 Right Angle Milling | 铜铝非铁金属专用 Special for copper aluminum metal |  | APKT 160402-AL<br>160404-AL<br>160408-AL | 0.2<br>0.4<br>0.8 | 16.5<br>16.5<br>16.5 | 9.525<br>9.525<br>9.525 | 4.76<br>4.76<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | | ●<br>●<br>● | | | | | | |
| 直角台肩铣削 Right Angle Milling | 铜铝非铁金属专用 Special for copper aluminum metal |  | APKT 113502<br>113504<br>113508<br>160402<br>160404<br>160408 | 0.2<br>0.4<br>0.8<br>0.2<br>0.4<br>0.8 | 11<br>11<br>11<br>16.5<br>16.5<br>16.5 | 6.35<br>6.35<br>6.35<br>9.525<br>9.525<br>9.525 | 3.5<br>3.5<br>3.5<br>4.76<br>4.76<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | ●<br>●<br>●<br>●<br>●<br>● | | | | | | | | | | |
| 直角台肩铣削 Right Angle Milling | 铸铁及淬火超硬材料加工 Cast iron and hard to cut materials |  | APKT 113502<br>113504<br>113508<br>160402<br>160404<br>160408 | 0.2<br>0.4<br>0.8<br>0.2<br>0.4<br>0.8 | 11<br>11<br>11<br>16.5<br>16.5<br>16.5 | 6.35<br>6.35<br>6.35<br>9.525<br>9.525<br>9.525 | 3.5<br>3.5<br>3.5<br>4.76<br>4.76<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | ●<br>●<br>●<br>●<br>●<br>● | ●<br>●<br>●<br>●<br>●<br>● | | | | | | | | |
| 直角台肩铣削 Right Angle Milling | 通用加工 General processing |  | APMT 1135PDER-M2<br>1604PDER-M2 | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | ●<br>● | | | | ●<br>● | ●<br>● | ●<br>● | ●<br>● |
| 直角台肩铣削 Right Angle Milling | 通用加工 General processing |  | APMT 1135PDER-H1<br>1135PDER-H2<br>1135PDER-H3<br>1135PDER-H4<br>1135PDER-H6<br>1604PDER-H1<br>1604PDER-H2<br>1604PDER-H3<br>1604PDER-H4<br>1604PDER-H6<br>1604PDER-H8 | 0.4<br>0.8<br>1.2<br>1.6<br>2.4<br>0.4<br>0.8<br>1.2<br>1.6<br>2.4<br>3.2 | 11<br>11<br>11<br>11<br>11<br>16.5<br>16.5<br>16.5<br>16.5<br>16.5<br>16.5 | 6.35<br>6.35<br>6.35<br>6.35<br>6.35<br>9.525<br>9.525<br>9.525<br>9.525<br>9.525<br>9.525 | 3.5<br>3.5<br>3.5<br>3.5<br>3.5<br>4.76<br>4.76<br>4.76<br>4.76<br>4.76<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | <br>●<br><br><br><br><br>●<br><br><br><br> | | | | <br>●<br><br><br><br><br>●<br><br><br><br> | ●<br>●<br>●<br>●<br>●<br>●<br>●<br>●<br>●<br>●<br>● | <br>●<br><br><br><br><br>●<br><br><br><br> | <br>●<br><br><br><br><br>●<br><br><br><br> |
| 直角台肩铣削 Right Angle Milling | 通用加工 General processing |  | APMT 1135PDER-DU<br>1604PDER-DU | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | ●<br>● | | ●<br>● | ●<br>● | ●<br>● | ●<br>● | ●<br>● | ●<br>● |
| 直角台肩铣削 Right Angle Milling | 通用加工 General processing |  | APMT 1135PDER-KZ<br>1604PDER-KZ | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | | | | | ●<br>● | ●<br>● | ●<br>● | ●<br>● |
| 直角台肩铣削 Right Angle Milling | 通用加工 General processing |  | APMT 1135PDER-ZM<br>1604PDER-ZM | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | | | | | | ●<br>● | ●<br>● | ●<br>● | |

## BAP 直角台肩铣刀

Right Angle Shoulder Milling Cutter

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04




- 适合强力切削，回转及进刀量是一般铣刀的3倍
- 适配刀片经济，性价比高。
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Adapter blade economy, cost-effective.

| 型号 Cat. No | D | d | L | L1 | L2 | a | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAP300R10-10-100-1T | 10 | 10 | 100 | 30 | - | 9 | 1 | APMT 1135 PDER | M2.5×6 | T8 | ● | 323900 | 67 | - |
| BAP300R10-10-120-1T | 10 | 10 | 120 | 30 | - | 9 | 1 | | | | ● | 323902 | 67 | 90 |
| BAP300R10-11-120-1T | 11 | 10 | 120 | 30 | - | 9 | 1 | | | | ● | 323904 | 67 | 90 |
| BAP300R12-12-130-1T | 12 | 12 | 120 | 30 | - | 9 | 1 | | | | ● | 323906 | 67 | 95 |
| BAP300R12-13-130-1T | 13 | 12 | 130 | 30 | - | 9 | 1 | | | | ● | 323908 | 67 | 95 |
| BAP300R14-14-130-2T | 14 | 14 | 130 | 30 | - | 9 | 2 | | | | ● | 323910 | 77 | - |
| BAP300R14-14-150-2T | 14 | 14 | 150 | 30 | - | 9 | 2 | | | | ● | 323912 | 77 | - |
| BAP300R15-16-150-2T | 16 | 15 | 150 | 40 | - | 9 | 2 | | | | ● | 323914 | 77 | 100 |
| BAP300R15-16-200-2T | 16 | 15 | 200 | 40 | - | 9 | 2 | | | | ● | 323916 | 100 | - |
| BAP300R15.6-16-150-2T | 16 | 15.6 | 150 | 40 | - | 9 | 2 | | | | ● | 323918 | 77 | - |
| BAP300R15.6-16-200-2T | 16 | 15.6 | 200 | 40 | - | 9 | 2 | | | | ● | 323920 | 100 | - |
| BAP300R16-16-120-2T | 16 | 16 | 120 | 40 | - | 9 | 2 | | | | ● | 323922 | 77 | 100 |
| BAP300R16-16-150-2T | 16 | 16 | 150 | 50 | - | 9 | 2 | | | | ● | 323924 | 77 | 100 |
| BAP300R16-16-200-2T | 16 | 16 | 200 | 60 | 100 | 9 | 2 | | | | ● | 323926 | 100 | 130 |
| BAP300R25-16-250-2T | 16 | 25 | 250 | 60 | - | 9 | 2 | | | | ● | 323928 | 133 | - |
| BAP300R16-17-120-2T | 17 | 16 | 120 | 40 | - | 9 | 2 | | | | ● | 323930 | 77 | 100 |
| BAP300R16-17-150-2T | 17 | 16 | 150 | 40 | - | 9 | 2 | | | | ● | 323932 | 77 | 130 |
| BAP300R16-17-200-2T | 17 | 16 | 200 | 40 | - | 9 | 2 | | | | ● | 323934 | 100 | - |
| BAP300R16-18-150-2T | 18 | 16 | 150 | 40 | - | 9 | 2 | | | | ● | 323936 | 93 | - |
| BAP300R16-18-200-2T | 18 | 16 | 200 | 40 | - | 9 | 2 | | | | ● | 323938 | 107 | - |
| BAP300R19-20-150-2T | 20 | 19 | 150 | 40 | - | 9 | 2 | | | | ● | 323940 | 93 | 120 |
| BAP300R19-20-200-2T | 20 | 19 | 200 | 40 | - | 9 | 2 | | | | ● | 323942 | 107 | 135 |
| BAP300R20-20-120-2T | 20 | 20 | 120 | 35 | - | 9 | 2 | | | | ● | 323944 | 93 | 115 |
| BAP300R20-20-150-2T | 20 | 20 | 150 | 50 | - | 9 | 2 | | | | ● | 323946 | 93 | 120 |
| BAP300R20-20-200-2T | 20 | 20 | 200 | 60 | 100 | 9 | 2 | | | | ● | 323948 | 107 | 135 |
| BAP300R20-20-250-2T | 20 | 20 | 250 | 60 | - | 9 | 2 | | | | ● | 323950 | 133 | - |
| BAP300R25-20-250-2T | 20 | 25 | 250 | 60 | - | 9 | 2 | | | | ● | 323952 | 167 | - |
| BAP300R20-21-120-2T | 21 | 20 | 120 | 50 | - | 9 | 2 | | | | ● | 323954 | 93 | - |
| BAP300R20-21-150-2T | 21 | 20 | 150 | 50 | - | 9 | 2 | | | | ● | 323956 | 93 | 120 |
| BAP300R20-21-200-2T | 21 | 20 | 200 | 50 | - | 9 | 2 | | | | ● | 323958 | 107 | 135 |
| BAP300R24-25-150-3T | 25 | 24 | 150 | 50 | - | 9 | 3 | | | | ● | 323960 | 140 | - |
| BAP300R24-25-200-3T | 25 | 24 | 200 | 50 | - | 9 | 3 | | | | ● | 323962 | 167 | - |
| BAP300R24-25-250-3T | 25 | 24 | 250 | 60 | - | 9 | 3 | | | | ● | 323964 | 200 | - |
| BAP300R25-25-120-3T | 25 | 25 | 120 | 50 | - | 9 | 3 | | | | ● | 323966 | - | 140 |
| BAP300R25-25-150-3T | 25 | 25 | 150 | 50 | - | 9 | 3 | | | | ● | 323968 | 140 | 150 |
| BAP300R25-25-200-3T | 25 | 25 | 200 | 60 | - | 9 | 3 | | | | ● | 323970 | 167 | 160 |
| BAP300R25-25-250-3T | 25 | 25 | 250 | 60 | 115 | 9 | 3 | | | | ● | 323972 | 200 | - |
| BAP300R25-30-150-4T | 30 | 25 | 150 | 50 | - | 9 | 4 | | | | ● | 323974 | - | 150 |
| BAP300R25-30-200-4T | 30 | 25 | 200 | 60 | - | 9 | 4 | | | | ● | 323976 | - | 180 |
| BAP300R25-30-250-4T | 30 | 25 | 250 | 60 | - | 9 | 4 | | | | ● | 323978 | - | 250 |
| BAP300R32-28.5-190-3T | 28.5 | 32 | 190 | 50 | 65 | 9 | 3 | | | | ● | 323980 | - | 260 |
| BAP400R24-25-150-2T | 25 | 24 | 150 | 50 | - | 14 | 2 | APMT 1604 PDER | M4×9 | T15 | ● | 323982 | 107 | 140 |
| BAP400R24-25-200-2T | 25 | 24 | 200 | 60 | - | 14 | 2 | | | | ● | 323984 | 133 | 150 |
| BAP400R24-25-250-2T | 25 | 24 | 250 | 50 | - | 14 | 2 | | | | ● | 323986 | 167 | - |
| BAP400R25-25-150-2T | 25 | 25 | 150 | 60 | - | 14 | 2 | | | | ● | 323988 | 107 | 140 |
| BAP400R25-25-200-2T | 25 | 25 | 200 | 70 | - | 14 | 2 | | | | ● | 323990 | 133 | 150 |
| BAP400R25-25-250-2T | 25 | 25 | 250 | 70 | - | 14 | 2 | | | | ● | 323992 | 167 | 165 |
| BAP400R32-25-300-2T | 25 | 32 | 300 | 40 | - | 14 | 2 | | | | ● | 323994 | 267 | - |
| BAP400R25-26-150-2T | 26 | 25 | 150 | 50 | - | 14 | 2 | | | | ● | 323996 | 107 | 140 |
| BAP400R25-26-200-2T | 26 | 25 | 200 | 60 | - | 14 | 2 | | | | ● | 323998 | 133 | 150 |
| BAP400R25-26-250-2T | 26 | 25 | 250 | 60 | - | 14 | 2 | | | | ● | 324000 | 167 | 165 |
| BAP400R25-26-300-2T | 26 | 25 | 300 | 45 | - | 14 | 2 | | | | ● | 324002 | - | 185 |
| BAP400R25-30-150-2T | 30 | 25 | 150 | 45 | - | 14 | 2 | | | | ● | 324004 | 120 | - |
| BAP400R25-30-200-2T | 30 | 25 | 200 | 45 | - | 14 | 2 | | | | ● | 324006 | 140 | - |
| BAP400R25-30-250-2T | 30 | 25 | 250 | 50 | - | 14 | 2 | | | | ● | 324008 | 183 | - |
| BAP400R32-32-150-3T | 32 | 32 | 150 | 50 | - | 14 | 3 | | | | ● | 324010 | 167 | 160 |
| BAP400R32-32-200-3T | 32 | 32 | 200 | 60 | - | 14 | 3 | | | | ● | 324012 | 200 | 170 |
| BAP400R32-32-250-3T | 32 | 32 | 250 | 60 | 115 | 14 | 3 | | | | ● | 324014 | 233 | 190 |
| BAP400R32-32-300-3T | 32 | 32 | 300 | 60 | 115 | 14 | 3 | | | | ● | 324016 | 300 | 220 |
| BAP400R32-32-350-3T | 32 | 32 | 350 | 60 | - | 14 | 3 | | | | ● | 324018 | 333 | - |
| BAP400R32-32-400-3T | 32 | 32 | 400 | 50 | - | 14 | 3 | | | | ● | 324020 | 550 | - |
| BAP400R32-35-150-3T | 35 | 32 | 150 | 50 | - | 14 | 3 | | | | ● | 324022 | 167 | 185 |
| BAP400R32-35-200-3T | 35 | 32 | 200 | 50 | - | 14 | 3 | | | | ● | 324024 | 200 | 200 |
| BAP400R32-35-250-3T | 35 | 32 | 250 | 50 | - | 14 | 3 | | | | ● | 324026 | 250 | 240 |
| BAP400R32-35-300-3T | 35 | 32 | 300 | 50 | - | 14 | 3 | | | | ● | 324028 | 300 | 280 |
| BAP400R32-35-350-3T | 35 | 32 | 350 | 50 | - | 14 | 3 | | | | ● | 324030 | 367 | 320 |
| BAP400R32-35-400-3T | 35 | 32 | 400 | 50 | - | 14 | 3 | | | | ● | 324032 | 550 | 360 |
| BAP400R32-40-150-3T | 40 | 32 | 150 | 50 | - | 14 | 3 | | | | ● | 324034 | 183 | - |
| BAP400R32-40-200-3T | 40 | 32 | 200 | 60 | - | 14 | 3 | | | | ● | 324036 | 217 | 220 |
| BAP400R32-40-250-3T | 40 | 32 | 250 | 60 | - | 14 | 3 | | | | ● | 324038 | 267 | 260 |
| BAP400R32-40-300-3T | 40 | 32 | 300 | 60 | - | 14 | 3 | | | | ● | 324040 | 317 | 300 |
| BAP400R32-40-350-3T | 40 | 32 | 350 | 60 | - | 14 | 3 | | | | ● | 324042 | 400 | 340 |
| BAP400R32-40-400-3T | 40 | 32 | 400 | 60 | - | 14 | 3 | | | | ● | 324044 | 500 | 400 |
| BAP400R32-50-150-4T | 50 | 32 | 150 | 50 | - | 14 | 4 | | | | ● | 324046 | 267 | - |
| BAP400R32-50-200-4T | 50 | 32 | 200 | 50 | - | 14 | 4 | | | | ● | 324048 | 333 | - |

## AP直角铝合金面铣刀盘
AP Rectangular Aluminum Alloy Surface Milling Cutter

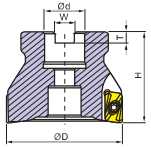
切削参数：R17-R18
零配件：P01

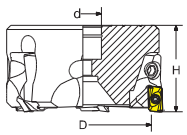
- 高强度铝合金刀体，更适合小功率机床，
- 精细的轴向调节功能，可获得高的表面质量！
- 备有直径错齿刀夹，粗精加工一次完成
- 选装PCD等精加工刀粒错齿铣削，表面效果令您更满意！

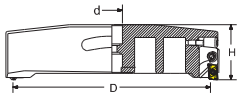
★ High strength aluminum alloy body, more suitable for small power machine,
★ Fine axial adjustment function, can obtain a high surface quality!
★ Have the wrong tooth diameter cutter holder, the rough and finish machining of a complete
★ The optional PCD finishing tool grain wrong tooth milling, surface effects to make you more satisfied!

### AL-AP 机夹式直角台肩立铣刀盘-铝制高光
Machine-Clamped Right-Angle Shoulder End Milling Cutter Head-Aluminum Highlight

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04






● 特点：铝材壳体，重量轻，直角高光效率高
★ Features: Aluminum Shell, Light Weight, Right Angle And High Polishing Efficiency

配件(Accessory):
刀片:AP. . 1604. .
螺钉:M4X10
扳手:T15

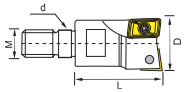
配件(Accessory):
刀片:AP. . 1604. .
螺钉:M4X10
扳手:T15

| 订购编码 Order | 规格型号 Specification | 尺寸 Dimensions D | d | H | W | T | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|---|
| 324450 | AL-AP16-50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 4 | 260 |
| 324452 | AL-AP16-63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 4 | 320 |
| 324454 | AL-AP16-80-22-6T | 80 | 22 | 50 | 12.4 | 7 | 6 | 440 |
| 324456 | AL-AP16-80-27-5T | 80 | 27 | 50 | 12.4 | 7 | 5 | 440 |
| 324458 | AL-AP16-80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 6 | 440 |
| 324460 | AL-AP16-100-22-6T | 100 | 22 | 50 | 14.4 | 8 | 6 | 750 |
| 324462 | AL-AP16-100-27-6T | 100 | 27 | 50 | 14.4 | 8 | 6 | 750 |
| 324464 | AL-AP16-100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 6 | 750 |
| 324466 | AL-AP16-125-22-6T | 125 | 22 | 50 | 16.4 | 8 | 6 | 1165 |
| 324468 | AL-AP16-125-27-6T | 125 | 27 | 50 | 16.4 | 8 | 6 | 1165 |
| 324470 | AL-AP16-125-32-6T | 125 | 32 | 50 | 16.4 | 8 | 6 | 1165 |
| 324472 | AL-AP16-125-40-6T | 125 | 40 | 50 | 16.4 | 8 | 6 | 1165 |
| 324474 | AL-AP16-125-40-7T | 125 | 40 | 50 | 16.4 | 8 | 7 | 1150 |
| 324476 | AL-AP16-160-32-8T | 160 | 32 | 50 | 16.4 | 9 | 8 | 1300 |
| 324478 | AL-AP16-160-40-8T | 160 | 40 | 50 | 16.4 | 9 | 8 | 1200 |
| 324480 | AL-AP16-200-40-10T | 200 | 40 | 63 | 16.4 | 9 | 10 | 2800 |
| 324482 | AL-AP16-250-40-10T | 250 | 40 | 63 | 16.4 | 9 | 10 | 3500 |
| 324484 | AL-AP16-250-60-10T | 250 | 60 | 63 | 16.4 | 9 | 10 | 3800 |
| 324486 | AL-AP16-300-32-14T | 300 | 32 | 63 | 16.4 | 9 | 14 | 4300 |

| 订购编码 Order | 规格型号 Specification | Dimensions D | d | H | 适配刀夹 Fit Holder | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 324400 | MA-AP74-A22Z04 | 74 | 22 | 51 | AP16-G | 4 | 1450 |
| 324402 | MA-AP91-A22Z05 | 91 | 22 | 51 | | 5 | 1900 |
| 324404 | MA-AP111-A27Z06 | 111 | 27 | 51 | | 6 | 2400 |
| 324406 | MA-AP111-B25.4Z06 | 111 | 25.4 | 51 | | 6 | 2400 |
| 324408 | MA-AP136-A27Z08 | 136 | 22 | 51 | | 8 | 3100 |
| 324410 | MA-AP171-A40Z08 | 171 | 27 | 55 | | 8 | 3400 |
| 324412 | MA-AP211-A40Z10 | 211 | 27 | 55 | | 8 | 4200 |
| 324414 | MAQ-AP311-A40Z12 | 311 | 27 | 55 | AP16-F | 8 | 5000 |
| 324416 | MAQ-AP171-A22Z02 | 171 | 22 | 58 | | 2 | 1900 |
| 324418 | MAQ-AP221-A22Z02 | 221 | 22 | 58 | | 2 | 2285 |
| 324420 | MAQ-AP261-A22Z02 | 261 | 22 | 58 | | 2 | 2370 |
| 324422 | MAQ-AP326-A27Z02 | 326 | 27 | 65 | | 2 | 3150 |

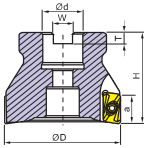
## ■ BAPM 直角台肩立铣刀
BAPM Shoulder/Cutting End Mills(BAPM)

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04




| 型号 Cat. No | 尺寸 Size D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAP3R162M08 | 16 | 25 | 8.5 | M8 | 2 | APMT1135PDER | -- | M2.5X6.5 | T8 | ● | 324100 | 150 |
| BAP3R172M08 | 17 | 25 | 8.5 | M8 | 2 | | | | | ● | 324102 | 180 |
| BAP3R202M10 | 20 | 30 | 10.5 | M10 | 2 | | | | | ● | 324104 | 150 |
| BAP3R212M10 | 21 | 30 | 10.5 | M10 | 2 | | | | | ● | 324106 | 180 |
| BAP3R253M12 | 25 | 35 | 12.5 | M12 | 3 | | | | | ● | 324108 | 150 |
| BAP3R263M12 | 26 | 35 | 12.5 | M12 | 3 | | | | | ● | 324110 | 200 |
| BAP4R252M12 | 25 | 35 | 12.5 | M12 | 2 | APMT1604PDER | -- | M4X9 | T15 | ● | 324112 | 160 |
| BAP4R262M12 | 26 | 35 | 12.5 | M12 | 2 | | | | | ● | 324114 | 200 |
| BAP4R302M16 | 30 | 40 | 17 | M16 | 2 | | | | | ● | 324116 | 200 |
| BAP4R323M16 | 32 | 40 | 17 | M16 | 3 | | | | | ● | 324118 | 260 |
| BAP4R353M16 | 35 | 40 | 17 | M16 | 3 | | | | | ● | 324120 | 280 |

## ■ BAP 直角台肩面铣刀盘
BAP Type Right Angle Shoulder Milling Cutter




- 使用11° 正角刀片
- 适配多种材质刀片，可适用铝铜铁削
- 螺丝锁紧，容屑空间大，排屑好
- 切削轻快，阻力小

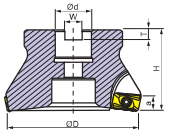
★ 11° positive angle blade
★ Adaptive multi-material blade, applicable to aluminum steel milling
★ Screw locking, allow a large space debris, a good chip disposal
★ Cutting light, the resistance of small

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAP300R40-16-5T | 40 | 16 | 40 | 8.4 | 5.6 | 9 | APMT1135 PDER | M2.5×6 | T8 | ● | 324200 | 167 | 250 |
| BAP300R50-22-6T | 50 | 22 | 50 | 10.4 | 6.3 | 9 | | | | ● | 324202 | 217 | 225 |
| BAP300R63-22-7T | 63 | 22 | 50 | 10.4 | 6.3 | 9 | | | | ● | 324204 | 283 | 312 |
| BAP400R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 14 | APMT1604 PDER | M4×10 | T15 | ● | 324206 | 167 | 200 |
| BAP400R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 14 | | | | ● | 324208 | 200 | 225 |
| BAP400R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 14 | | | | ● | 324210 | 307 | 350 |
| BAP400R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 14 | | | | ● | 324212 | 483 | 540 |
| BAP400R125-40-7T | 125 | 40 | 63 | 16.4 | 9 | 14 | | | | ● | 324214 | 767 | 665 |
| BAP400R160-40-8T | 160 | 40 | 63 | 16.4 | 9 | 14 | | | | ● | 324216 | 867 | 1100 |
| BAP400R200-60-9T | 200 | 60 | 63 | 25.7 | 14 | 14 | | | | ● | 324218 | 1833 | 1600 |
| BAP400R250-60-10T | 250 | 60 | 63 | 25.7 | 14 | 14 | | | | ● | 324220 | 2500 | 2100 |
| BAP400R300-60-14T | 300 | 60 | 65 | 25.7 | 14 | 14 | | | | ● | 324222 | 3000 | - |
| BAP400R63-25.4-4T | 63 | 25.4 | 50 | 10 | 6 | 14 | | | | ● | 324224 | 167 | 225 |
| BAP400R80-25.4-6T | 80 | 25.4 | 50 | 10 | 6 | 14 | | | | ● | 324226 | 200 | 350 |
| BAP400R100-31.75-6T | 100 | 31.75 | 50 | 13 | 8 | 14 | | | | ● | 324228 | 333 | 540 |
| BAP400R125-38.1-8T | 125 | 38.1 | 63 | 16.2 | 10 | 14 | | | | ● | 324230 | 500 | 665 |
| BAP400R160-50.8-9T | 160 | 50.8 | 63 | 19.3 | 11 | 14 | | | | ● | 324232 | - | 1100 |

## ■ RAP-75°
面铣刀盘
Face Milling Cutter

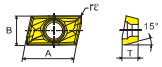
切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04




●使用APMT1604废弃刀片，节约成本
★ Abandoned the use of APMT1604 Insert, cost savings

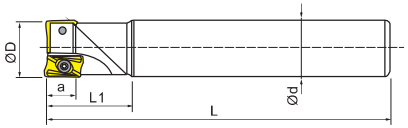
| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RAP300R50-22-4T** | 50 | 22 | 50 | 10.4 | 6.3 | 6.5 | APMT 1604 PDER | M4×10 | T15 | ● | 332300 | 233 | - |
| **RAP300R63-22-4T** | 63 | 22 | 50 | 12.4 | 7 | 6.5 | | | | ● | 332302 | 267 | - |
| **RAP300R50-25.4-4T** | 50 | 25.4 | 50 | 10.4 | 6.3 | 6.5 | | | | ● | 332304 | 233 | - |
| **RAP300R63-25.4-4T** | 63 | 25.4 | 50 | 12.4 | 7 | 6.5 | | | | ● | 332306 | 267 | - |
| **RAP400R63-22-4T** | 63 | 22 | 50 | 14.4 | 8 | 8 | | | | ● | 332308 | 267 | 225 |
| **RAP400R63-25.4-4T** | 63 | 25.4 | 50 | 14.4 | 8 | 8 | | | | ● | 332310 | 267 | - |
| **RAP400R80-27-5T** | 80 | 27 | 50 | 14.4 | 8 | 8 | | | | ● | 332312 | 367 | 350 |
| **RAP400R100-32-6T** | 100 | 32 | 50 | 14.4 | 9 | 8 | | | | ● | 332314 | 500 | 540 |
| **RAP400R125-40-7T** | 125 | 40 | 63 | 16.4 | 9 | 8 | | | | ● | 332316 | 933 | 665 |
| **RAP400R160-40-8T** | 160 | 40 | 63 | 16.4 | 9 | 8 | | | | ● | 332318 | 1067 | 1100 |
| **RAP400R200-60-9T** | 200 | 60 | 63 | 25.7 | 14 | 8 | | | | ● | 332320 | - | 1600 |
| **RAP400R250-60-10T** | 250 | 60 | 63 | 25.7 | 14 | 8 | | | | ● | 332322 | - | 2100 |

# R390 直角台肩有孔铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK03 | ZP201 | ZP150 | ZP151 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | R390- 11T304M-PM | 0.4 | 10 | 6.8 | 3.59 | 刀柄：(Toolholder) D17-D18 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 11T308M-PM | 0.8 | 10 | 6.8 | 3.59 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 11T316M-PM | 1.6 | 10 | 6.8 | 3.59 | | ● | ● | ● | ● | ● | | | | | | |
| | | | 11T331M-PM | 3.1 | 10 | 6.8 | 3.59 | | ● | ● | ● | ● | ● | | | | | | |
| | | | 170404M-PM | 0.4 | 15.7 | 9.6 | 4.76 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 170408M-PM | 0.8 | 15.7 | 9.6 | 4.76 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 170416M-PM | 1.6 | 15.7 | 9.6 | 4.76 | | ● | ● | ● | ● | ● | | | | | | |
| | | | 170431M-PM | 3.1 | 15.7 | 9.6 | 4.76 | | ● | ● | ● | ● | ● | | | | | | |

## ■ R390 直角台肩精铣刀

Right angle shoulder fine milling cutter




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

● 精度高，适于精加工
★ High precision, suitable for finishing

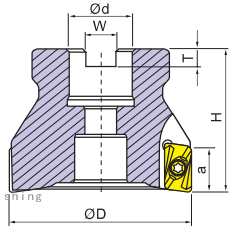
| 型号 Cat. No | 尺寸 Size D | d | L | L1 | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R390-11R15-16-150-2T | 16 | 15 | 150 | 40 | 11 | R390-11T308 | M2.5×6 | T8 | ● | 324600 | 133 | 350 |
| R390-11R15-16-200-2T | 16 | 15 | 200 | 40 | 11 | | | | ● | 324602 | 167 | - |
| R390-11R16-16-150-2T | 16 | 16 | 150 | 50 | 11 | | | | ● | 324604 | 133 | 150 |
| R390-11R16-16-200-2T | 16 | 16 | 200 | 60 | 11 | | | | ● | 324606 | 167 | 160 |
| R390-11R16-17-150-2T | 17 | 16 | 150 | 40 | 11 | | | | ● | 324608 | 133 | 170 |
| R390-11R16-17-200-2T | 17 | 16 | 200 | 40 | 11 | | | | ● | 324610 | 167 | 180 |
| R390-11R19-20-150-2T | 20 | 19 | 150 | 40 | 11 | | | | ● | 324612 | 150 | - |
| R390-11R19-20-200-2T | 20 | 19 | 200 | 40 | 11 | | | | ● | 324614 | 183 | 200/380 |
| R390-11R20-20-150-2T | 20 | 20 | 150 | 50 | 11 | | | | ● | 324616 | 150 | 180 |
| R390-11R20-20-200-2T | 20 | 20 | 200 | 60 | 11 | | | | ● | 324618 | 183 | 200 |
| R390-11R20-21-150-2T | 21 | 20 | 150 | 50 | 11 | | | | ● | 324620 | 150 | 180 |
| R390-11R20-21-200-2T | 21 | 20 | 200 | 50 | 11 | | | | ● | 324622 | 183 | 200 |
| R390-11R20-22-200-2T | 22 | 20 | 200 | 50 | 11 | | | | ● | 324624 | - | 360 |
| R390-11R24-25-150-2T | 25 | 24 | 150 | 50 | 11 | | | | ● | 324626 | 167 | - |
| R390-11R24-25-200-2T | 25 | 24 | 200 | 50 | 11 | | | | ● | 324628 | 200 | - |
| R390-11R24-25-220-2T | 25 | 24 | 220 | 50 | 11 | | | | ● | 324630 | - | 450 |
| R390-11R25-25-150-2T | 25 | 25 | 150 | 50 | 11 | | | | ● | 324632 | 167 | 225 |
| R390-11R25-25-200-2T | 25 | 25 | 200 | 60 | 11 | | | | ● | 324634 | 200 | 250 |
| R390-11R25-26-150-2T | 26 | 25 | 150 | 50 | 11 | | | | ● | 324636 | 167 | 225 |
| R390-11R25-26-200-2T | 26 | 25 | 200 | 60 | 11 | | | | ● | 324638 | 200 | 250 |
| R390-11R25-26-250-2T | 26 | 25 | 250 | 60 | 11 | | | | ● | 324640 | 233 | - |
| R390-11R29-30-250-2T | 30 | 29 | 250 | 50 | 11 | | | | ● | 324642 | - | 640 |
| R390-11R32-33-150-2T | 33 | 32 | 150 | 50 | 11 | | | | ● | 324644 | 200 | - |
| R390-11R32-33-200-2T | 33 | 32 | 200 | 50 | 11 | | | | ● | 324646 | 233 | - |
| R390-11R32-33-250-2T | 33 | 32 | 250 | 50 | 11 | | | | ● | 324648 | 267 | - |
| R390-11R32-33-300-2T | 33 | 32 | 300 | 50 | 11 | | | | ● | 324650 | 300 | - |
| R390-11R32-33-350-2T | 33 | 32 | 350 | 50 | 11 | | | | ● | 324652 | 333 | - |
| R390-11R32-35-330-2T | 35 | 32 | 330 | 55 | 11 | | | | ● | 324654 | - | 750 |
| R390-17R25-25-160-2T | 25 | 25 | 160 | 40 | 17 | R390-170408 | M3.5×8 | T15 | ● | 324656 | - | 225 |
| R390-17R25-25-200-2T | 25 | 25 | 200 | 50 | 17 | | | | ● | 324658 | - | 250 |
| R390-17R25-32-200-2T | 32 | 25 | 200 | 50 | 17 | | | | ● | 324660 | - | 300 |

## ■ R390 直角台肩面铣刀盘

RightAngle Shoulder Milling Cutter

- 适配精磨刀片
- 精度高，适于精加工
- 锥形设计，钢性高

★ Adapter grinding Inserts
★ High precision, suitable for finishing
★ Cone design, steel high



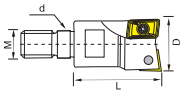

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| R390-11R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | R390-11T308 | M2.5×6 | T8 | ● | 324500 | 240/400 |
| R390-11R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | | | | ● | 324502 | 280/500 |
| R390-17R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | R390-170408 | M3.5×10 | T15 | ● | 324504 | 250 |
| R390-17R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | | | | ● | 324506 | 400 |
| R390-17R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | | | | ● | 324508 | 600 |
| R390-17R125-40-6T | 125 | 40 | 63 | 16.4 | 9 | | | | ● | 324510 | 750 |
| R390-17R160-80-6T | 160 | 40 | 63 | 16.4 | 9 | | | | ● | 324512 | 1150 |

## ■ R390 锁牙式刀头

R390 Shoulder/Cutting End Mills

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

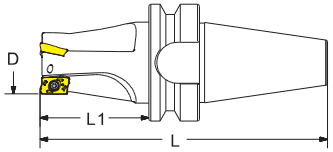



| 型 号 Cat. No | 尺 寸 Size D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R390-11-16-2T-M8 | 16 | 25 | 8.5 | M8 | 2 | R390-11T3.. | -- | M2.5X6 | T8 | ● | 324530 | 250 |
| R390-11-17-2T-M8 | 17 | 25 | 8.5 | M8 | 2 | | | | | ● | 324532 | 250 |
| R390-11-20-2T-M10 | 20 | 30 | 10.5 | M10 | 2 | | | | | ● | 324534 | 300 |
| R390-11-21-2T-M10 | 21 | 30 | 10.5 | M10 | 2 | | | | | ● | 324536 | 300 |
| R390-11-25-2T-M12 | 25 | 35 | 12.5 | M12 | 2 | | | | | ● | 324538 | 400 |
| R390-11-26-2T-M12 | 26 | 35 | 12.5 | M12 | 2 | | | | | ● | 324540 | 400 |
| R390-11-32-2T-M16 | 32 | 35 | 17 | M16 | 2 | | | | | ● | 324542 | 500 |
| R390-11-33-2T-M16 | 33 | 35 | 17 | M16 | 2 | | | | | ● | 324544 | 500 |
| R390-11-35-3T-M16 | 35 | 40 | 17 | M16 | 3 | | | | | ● | 324546 | 500 |

## ■ R390 一体式高速强力方肩铣刀

R390 Integrated High Strength Square Shoulder Milling Cutter

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

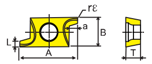



● 一体式刚性结构，轻量化，更具高速性能。
● 通过选用不同材质刀粒，可通用于钢及铜铝合金的粗精加工，适用范围广，高效率，高刚性！
★ Lightweight one-piece rigid structure, high performance, more,
★ Through the selection of different material grain, can be used in the steel and copper aluminum alloyThe coarse and fine processing, wide application range, high efficiency, high rigidity!

| 型 号 Cat. No | 刃数 Edges | 总长 L | 有效长 L1 | 直径 D | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|
| BT30-R390-16-2T | 2 | 155 | 35 | 16 | R390-11T308 | ● | 324700 | 1150 |
| BT30-R390-20-2T | 2 | 155 | 35 | 20 | | ● | 324702 | 1150 |
| BT30-R390-25-3T | 3 | 155 | 35 | 25 | | ● | 324704 | 1100 |
| BT30-R390-32-4T | 4 | 155 | 35 | 32 | | ● | 324706 | 1200 |
| BT40-R390-16-2T | 2 | 155 | 45 | 16 | | ● | 324708 | 1100 |
| BT40-R390-20-2T | 2 | 155 | 45 | 20 | | ● | 324710 | 1100 |
| BT40-R390-25-3T | 3 | 155 | 45 | 25 | | ● | 324712 | 1250 |
| BT40-R390-32-4T | 4 | 155 | 45 | 32 | | ● | 324714 | 1350 |

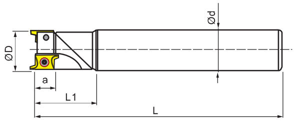
刀杆刀盘 | 直角台肩立铣刀 | 圆角铣刀 | 球头铣刀 | 钻铣刀杆 | 倒角刀杆 | 玉米铣刀 | 三面刃槽刀 | 快进给系列 | 龙门平面铣刀 | 锁牙式刀柄

## RT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | B | T | L | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right Angle Milling | |  | RT 070204R-81 | 0.4 | 6.4 | 4.3 | 2.38 | 1.3 | 1.5 | 刀柄：(Toolholder) D19-D20 | ● | ● | ● | | | | ● | | ● | | |
| | | | 100304R-81 | 0.4 | 11 | 6.35 | 3.4 | 1.8 | 2.1 | | ● | ● | ● | | | | ● | | ● | | |
| | | | 100304R-31 | 0.4 | 11 | 6.35 | 3.4 | 1.8 | 2.1 | | ● | ● | ● | | | | ● | | ● | | |
| | | | 100308R-81 | 0.8 | 11 | 6.35 | 3.4 | 1.8 | 2.1 | | ● | ● | ● | | | | ● | | ● | | |

## ■ RT 直角台肩精铣刀

Right Angle Shoulder Fine Milling Cutter



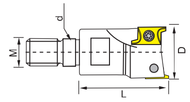

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

● 精度高，适于精加工
★ High precision, suitable for finishing

| Order Number | 型号 Cat. No | D | d | L | L1 | Teeth | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 324900 | RT07R10-06-100-1T | 6 | 10 | 100 | 30 | 1 | RT070204R81 | M2.0×4 | T6 | ○ | 324900 |
| 324902 | RT07R10-08-100-1T | 8 | 10 | 100 | 30 | 1 | | | | ○ | 324902 |
| 324904 | RT07R10-10-150-2T | 10 | 10 | 150 | 25 | 2 | | | | ○ | 324904 |
| 324906 | RT07R10-11-150-2T | 11 | 10 | 150 | 20 | 2 | | | | ○ | 324906 |
| 324908 | RT07R12-12-150-2T | 12 | 12 | 150 | 30 | 2 | | | | ○ | 324908 |
| 324910 | RT07R12-13-150-2T | 13 | 12 | 150 | 20 | 2 | | | | ○ | 324910 |
| 324912 | RT07R16-16-150-3T | 16 | 16 | 150 | 30 | 3 | | | | ○ | 324912 |
| 324914 | RT07R16-16-200-3T | 16 | 16 | 200 | 30 | 3 | | | | ○ | 324914 |
| 324916 | RT07R16-17-150-3T | 17 | 16 | 150 | 25 | 3 | | | | ○ | 324916 |
| 324918 | RT07R16-17-200-3T | 17 | 16 | 200 | 25 | 3 | | | | ○ | 324918 |
| 324920 | RT07R20-20-150-4T | 20 | 20 | 150 | 30 | 4 | | | | ○ | 324920 |
| 324922 | RT07R20-20-200-4T | 20 | 20 | 200 | 30 | 4 | | | | ○ | 324922 |
| 324924 | RT10R16-16-150-2T | 16 | 16 | 150 | 30 | 2 | RT1003 | M2.5×6 | T8 | ○ | 324924 |
| 324926 | RT10R16-16-200-2T | 16 | 16 | 200 | 30 | 2 | | | | ○ | 324926 |
| 324928 | RT10R16-17-150-2T | 17 | 16 | 150 | 25 | 2 | | | | ○ | 324928 |
| 324930 | RT10R16-17-200-2T | 17 | 16 | 200 | 25 | 2 | | | | ○ | 324930 |
| 324932 | RT10R20-20-150-2T | 20 | 20 | 150 | 30 | 2 | | | | ○ | 324932 |
| 324934 | RT10R20-20-150-3T | 20 | 20 | 150 | 30 | 3 | | | | ○ | 324934 |
| 324936 | RT10R20-20-200-2T | 20 | 20 | 200 | 30 | 2 | | | | ○ | 324936 |
| 324938 | RT10R20-20-200-3T | 20 | 20 | 200 | 30 | 3 | | | | ○ | 324938 |
| 324940 | RT10R20-21-150-2T | 21 | 20 | 150 | 25 | 2 | | | | ○ | 324940 |
| 324942 | RT10R20-21-150-3T | 21 | 20 | 150 | 25 | 3 | | | | ○ | 324942 |
| 324944 | RT10R20-21-200-2T | 21 | 20 | 200 | 25 | 2 | | | | ○ | 324944 |
| 324946 | RT10R20-21-200-3T | 21 | 20 | 200 | 25 | 3 | | | | ○ | 324946 |
| 324948 | RT10R25-25-150-2T | 25 | 25 | 150 | 40 | 2 | | | | ○ | 324948 |
| 324950 | RT10R25-25-150-3T | 25 | 25 | 150 | 40 | 3 | | | | ○ | 324950 |
| 324952 | RT10R25-25-200-2T | 25 | 25 | 200 | 40 | 2 | | | | ○ | 324952 |
| 324954 | RT10R25-25-200-3T | 25 | 25 | 200 | 40 | 3 | | | | ○ | 324954 |
| 324956 | RT10R25-26-150-2T | 26 | 25 | 150 | 25 | 2 | | | | ○ | 324956 |
| 324958 | RT10R25-26-150-3T | 26 | 25 | 150 | 25 | 3 | | | | ○ | 324958 |
| 324960 | RT10R25-26-200-2T | 26 | 25 | 200 | 25 | 2 | | | | ○ | 324960 |
| 324962 | RT10R25-26-200-3T | 26 | 25 | 200 | 25 | 3 | | | | ○ | 324962 |
| 324964 | RT10R32-32-150-4T | 32 | 32 | 150 | 40 | 4 | | | | ○ | 324964 |
| 324966 | RT10R32-32-150-5T | 32 | 32 | 150 | 40 | 5 | | | | ○ | 324966 |
| 324968 | RT10R32-32-200-4T | 32 | 32 | 200 | 40 | 4 | | | | ○ | 324968 |
| 324970 | RT10R32-32-200-5T | 32 | 32 | 200 | 40 | 5 | | | | ○ | 324970 |
| 324972 | RT10R32-33-150-4T | 33 | 32 | 150 | 35 | 4 | | | | ○ | 324972 |
| 324974 | RT10R32-33-150-5T | 33 | 32 | 150 | 35 | 5 | | | | ○ | 324974 |
| 324976 | RT10R32-33-200-4T | 33 | 32 | 200 | 35 | 4 | | | | ○ | 324976 |
| 324978 | RT10R32-33-200-5T | 33 | 32 | 200 | 35 | 5 | | | | ○ | 324978 |
| 324980 | RT10R32-35-150-4T | 35 | 32 | 150 | 35 | 4 | | | | ○ | 324980 |
| 324982 | RT10R32-35-150-5T | 35 | 32 | 150 | 35 | 5 | | | | ○ | 324982 |
| 324984 | RT10R32-35-200-4T | 35 | 32 | 200 | 35 | 4 | | | | ○ | 324984 |
| 324986 | RT10R32-35-200-5T | 35 | 32 | 200 | 35 | 5 | | | | ○ | 324986 |

## ■ RT直角台肩立铣刀

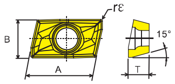
Shoulder/Cutting End Mills(RT)



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

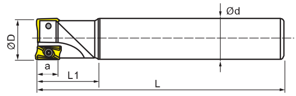
| 型号 Cat. No | D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RT07R102M05 | 10 | 18 | 5.5 | M5 | 2 | RT070204R81 | -- | M2.0×4 | T6 | ○ | 325200 | 325200 |
| RT07R112M05 | 11 | 18 | 5.5 | M5 | 2 | | | | | ○ | 325202 | 325202 |
| RT07R122M06 | 12 | 20 | 6.5 | M6 | 2 | | | | | ○ | 325204 | 325204 |
| RT07R132M06 | 13 | 20 | 6.5 | M6 | 2 | | | | | ○ | 325206 | 325206 |
| RT10R162M08 | 16 | 30 | 8.5 | M8 | 2 | RT1003 | -- | M2.5×6 | T8 | ○ | 325208 | 325208 |
| RT10R172M08 | 17 | 30 | 8.5 | M8 | 2 | | | | | ○ | 325210 | 325210 |
| RT10R203M10 | 20 | 30 | 10.5 | M10 | 3 | | | | | ○ | 325212 | 325212 |
| RT10R212M10 | 21 | 30 | 10.5 | M10 | 2 | | | | | ○ | 325214 | 325214 |
| RT10R213M10 | 21 | 30 | 10.5 | M10 | 3 | | | | | ○ | 325216 | 325216 |
| RT10R253M12 | 25 | 35 | 12.5 | M12 | 3 | | | | | ○ | 325218 | 325218 |
| RT10R263M12 | 26 | 35 | 12.5 | M12 | 3 | | | | | ○ | 325220 | 325220 |
| RT10R324M16 | 32 | 43 | 17 | M16 | 4 | | | | | ○ | 325222 | 325222 |
| RT10R325M16 | 32 | 43 | 17 | M16 | 5 | | | | | ○ | 325224 | 325224 |
| RT10R334M16 | 33 | 43 | 17 | M16 | 4 | | | | | ○ | 325226 | 325226 |
| RT10R354M16 | 35 | 43 | 17 | M16 | 4 | | | | | ○ | 325228 | 325228 |
| RT10R355M16 | 35 | 43 | 17 | M16 | 5 | | | | | ○ | 325230 | 325230 |

## XOMX 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | B | T | | | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right Angle Milling | |  | XOMX 060208FR-E03 | 0.8 | 6.94 | 4.09 | 2.45 | | | 刀柄：(Toolholder) D20 | | | | | | | ● | | ● | | |
| | | | 060208R-M05 | 0.8 | 6.94 | 4.09 | 2.45 | | | | | | | | | | ● | | ● | | |
| | | | 090308FR-E05 | 0.8 | 10.8 | 6.35 | 3.65 | | | | | | | | | | ● | | ● | | |
| | | | 120408TR-M06 | 0.8 | 11.41 | 8.18 | 4.15 | | | | | | | | | | ● | | ● | | |

## ■ T217.69 直角台肩精铣刀

Right Angle Shoulder Fine Milling Cutter

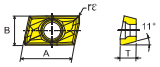



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | D | d | L | L1 | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| T217.69R8-8-100-1T | 8 | 8 | 100 | 25 | XOMX060208 | M1.8×4 | T6 | ● | 325300 | 130 |
| T217.69R10-10-130-2T | 10 | 10 | 130 | 30 | | | | ● | 325302 | 150 |
| T217.69R10-11-130-2T | 11 | 10 | 130 | - | | | | ● | 325304 | 150 |
| T217.69R12-12-130-2T | 12 | 12 | 130 | 30 | | | | ● | 325306 | 160 |
| T217.69R12-13-130-2T | 13 | 12 | 130 | - | | | | ● | 325308 | 160 |
| T217.69R16-16-160-2T | 16 | 16 | 160 | 40 | | | | ● | 325310 | 175 |
| T217.69R16-17-160-2T | 17 | 16 | 160 | - | | | | ● | 325312 | 175 |
| T217.69R20-20-160-2T | 20 | 20 | 160 | 40 | XOMX090308 | M2.5×5.5 | T8 | ● | 325314 | 185 |
| T217.69R20-21-160-2T | 21 | 20 | 160 | - | | | | ● | 325316 | 185 |
| T217.69R25-25-160-2T | 25 | 25 | 160 | 50 | XOMX120408 | M3.5×8 | T15 | ● | 325318 | 190 |
| T217.69R25-25-200-2T | 25 | 25 | 200 | 60 | | | | ● | 325320 | 200 |
| T217.69R25-26-160-2T | 26 | 25 | 160 | - | | | | ● | 325322 | 190 |
| T217.69R25-26-200-2T | 26 | 25 | 200 | - | | | | ● | 325324 | 200 |

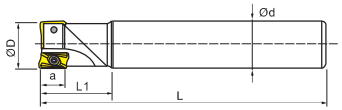
# AOMT 直角台肩铣削加工 Right angle shoulder milling

## AOMT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN40 | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP151 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | AOMT 123602PEER-M<br>123604PEER-M<br>123608PEER-M<br>123612PEER-M<br>123616PEER-M<br>123620PEER-M<br>123624PEER-M<br>123632PEER-M | 0.2<br>0.4<br>0.8<br>1.2<br>1.6<br>2.0<br>2.4<br>3.2 | 12 | 6.6 | 3.6 | 刀柄：(Toolholder) D21 | | | | | | | | | • | • | • | • |

## ■ EPX3000 直角台肩精铣刀

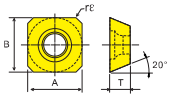
Right Angle Shoulder Fine Milling Cutter




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

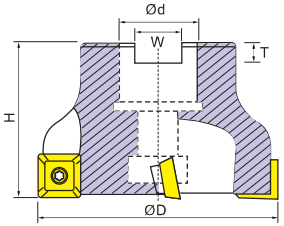
| 型号 Cat. No | 尺寸 Size D | d | L | L1 | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| EPX3000R16-12-85-1T | 12 | 16 | 85 | 25 | AOMT12306 | M2.5×6 | T8 | • | 326200 | 130 |
| EPX3000R16-14-85-1T | 14 | 16 | 85 | 25 | | | | • | 326202 | 130 |
| EPX3000R16-16-85-2T | 16 | 16 | 85 | 25 | | | | • | 326204 | 130 |
| EPX3000R16-16-160-2T | 16 | 16 | 160 | 30 | | | | • | 326206 | 150 |
| EPX3000R16-16-180-2T | 16 | 16 | 180 | 40 | | | | • | 326208 | 180 |
| EPX3000R16-17-90-2T | 17 | 16 | 90 | 25 | | | | • | 326210 | 130 |
| EPX3000R16-17-120-2T | 17 | 16 | 120 | 30 | | | | • | 326212 | 150 |
| EPX3000R16-17-160-2T | 17 | 16 | 160 | 30 | | | | • | 326214 | 160 |
| EPX3000R16-17-200-2T | 17 | 16 | 200 | 40 | | | | • | 326216 | 180 |
| EPX3000R16-18-120-2T | 18 | 16 | 120 | 25 | | | | • | 326218 | 160 |
| EPX3000R20-20-100-3T | 20 | 20 | 100 | 30 | | | | • | 326220 | 175 |
| EPX3000R20-20-150-2T | 20 | 20 | 150 | 35 | | | | • | 326222 | 190 |
| EPX3000R20-20-200-2T | 20 | 20 | 200 | 45 | | | | • | 326224 | 220 |
| EPX3000R25-25-120-3T | 25 | 25 | 120 | 35 | | | | • | 326226 | 185 |
| EPX3000R25-25-120-4T | 25 | 25 | 120 | 35 | | | | • | 326228 | 200 |
| EPX3000R25-25-160-3T | 25 | 25 | 160 | 35 | | | | • | 326230 | 190 |
| EPX3000R25-25-160-4T | 25 | 25 | 160 | 35 | | | | • | 326232 | 220 |
| EPX3000R25-26-120-3T | 26 | 25 | 120 | 35 | | | | • | 326234 | 185 |
| EPX3000R25-26-120-4T | 26 | 25 | 120 | 35 | | | | • | 326236 | 200 |
| EPX3000R25-26-160-3T | 26 | 25 | 160 | 35 | | | | • | 326238 | 190 |
| EPX3000R25-26-160-4T | 26 | 25 | 160 | 35 | | | | • | 326240 | 220 |
| EPX3000R25-26-200-3T | 26 | 25 | 200 | 45 | | | | • | 326242 | 210 |
| EPX3000R25-26-200-4T | 26 | 25 | 200 | 45 | | | | • | 326244 | 240 |
| EPX3000R25-28-170-3T | 28 | 25 | 170 | 45 | | | | • | 326246 | 200 |
| EPX3000R25-30-120-4T | 30 | 25 | 120 | 45 | | | | • | 326248 | 200 |
| EPX3000R32-30-125-4T | 30 | 32 | 125 | 45 | | | | • | 326250 | 200 |
| EPX3000R32-32-125-3T | 32 | 32 | 125 | 45 | | | | • | 326252 | 210 |
| EPX3000R32-32-125-4T | 32 | 32 | 125 | 45 | | | | • | 326254 | 235 |
| EPX3000R32-32-125-5T | 32 | 32 | 125 | 45 | | | | • | 326256 | 250 |
| EPX3000R32-40-125-3T | 40 | 32 | 125 | 45 | | | | • | 326258 | 230 |
| EPX3000R32-40-125-4T | 40 | 32 | 125 | 45 | | | | • | 326260 | 250 |
| EPX3000R32-40-125-5T | 40 | 32 | 125 | 45 | | | | • | 326262 | 280 |

## SE.. 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN40 | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP151 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | SEET 09T308PER-PF<br>09T308PER-PM<br>09T308PER-PR<br>SEET 120308PER-PF<br>120308PER-PM<br>120308PER-PR | 0.8<br>0.8<br>0.8<br>0.8<br>0.8<br>0.8 | 9.525<br>9.525<br>9.525<br>13.308<br>13.308<br>13.308 | 9.525<br>9.525<br>9.525<br>13.308<br>13.308<br>13.308 | 4.01<br>4.01<br>4.01<br>4.04<br>4.04<br>4.04 | 刀柄：(Toolholder) D22 | | | | | | | | | • | • | • | • | • |

## ■ FMP02R-90° 面铣刀盘

Face Milling Cutter



- 可用于插铣、平面、台阶面、槽加工
- 低切削力，大前角，切削轻快
- 产生产率，高精度

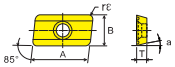
★ Can be used to insert milling, flat, level surface, groove
★ Low cutting force, large rake angle, cutting light
★ High productivity, high-precision

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FMP02R 50-22-4T | 50 | 22 | 40 | 10.4 | 6.3 | SEET090308 | M3×7 | T10 | • | 326400 | 300 |
| 63-22-5T | 63 | 22 | 40 | 10.4 | 6.3 | | | | • | 326402 | 350 |
| 80-27-6T | 80 | 27 | 50 | 12.4 | 7 | | | | • | 326404 | 450 |
| 100-32-8T | 100 | 32 | 50 | 14.4 | 8 | | | | • | 326406 | 750 |
| FMP02R 50-22-3T | 50 | 22 | 40 | 10.4 | 6.3 | SEET120308 | M3.5×10 | T15 | • | 326408 | 500 |
| 50-22-4T | 50 | 22 | 40 | 10.4 | 6.3 | | | | • | 326410 | 550 |
| 50-22-5T | 50 | 22 | 40 | 10.4 | 6.3 | | | | • | 326412 | 600 |
| 63-22-4T | 63 | 22 | 40 | 10.4 | 6.3 | | | | • | 326414 | 600 |
| 63-22-5T | 63 | 22 | 40 | 10.4 | 6.3 | | | | • | 326416 | 650 |
| 63-22-6T | 63 | 22 | 40 | 10.4 | 6.3 | | | | • | 326418 | 700 |
| 80-27-4T | 80 | 27 | 50 | 12.4 | 7 | | | | • | 326420 | 700 |
| 80-27-6T | 80 | 27 | 50 | 12.4 | 7 | | | | • | 326422 | 750 |
| 80-27-8T | 80 | 27 | 50 | 12.4 | 7 | | | | • | 326424 | 800 |
| 100-32-5T | 100 | 32 | 50 | 14.4 | 8 | | | | • | 326426 | 800 |
| 100-32-7T | 100 | 32 | 50 | 14.4 | 8 | | | | • | 326428 | 850 |
| 100-32-10T | 100 | 32 | 50 | 14.4 | 8 | | | | • | 326430 | 900 |
| 125-40-6T | 125 | 40 | 63 | 16.4 | 9 | | | | • | 326432 | 1000 |
| 125-40-8T | 125 | 40 | 63 | 16.4 | 9 | | | | • | 326434 | 1100 |
| 125-40-12T | 125 | 40 | 63 | 16.4 | 9 | | | | • | 326436 | 1200 |
| 160-40-8T | 160 | 40 | 63 | 16.4 | 9 | | | | • | 326438 | 1300 |
| 160-40-12T | 160 | 40 | 63 | 16.4 | 9 | | | | • | 326440 | 1400 |
| 200-60-16T | 200 | 60 | 63 | 25.7 | 14 | | | | • | 326442 | 1600 |
| 250-60-12T | 250 | 60 | 63 | 25.7 | 14 | | | | • | 326444 | 2000 |
| 250-60-18T | 250 | 60 | 63 | 25.7 | 14 | | | | • | 326446 | 2500 |
| 315-60-24T | 315 | 60 | 63 | 25.7 | 14 | | | | • | 326448 | 3000 |

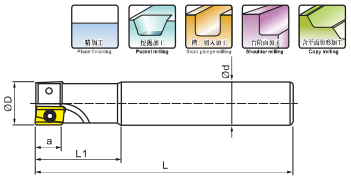
# UEX 直角台肩铣削加工 Right angle shoulder milling

## APNT ADNT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | APET 120202SR | 0.2 | 12.7 | 7.938 | 2.5 | 11° | 刀柄：(Toolholder) D23,D47 | | | | • | | • | • | • | | | |
| | | | 120204SR | 0.4 | 12.7 | 7.938 | 2.5 | 11° | | | | | | | | | | | | |
| | | | 120208SR | 0.8 | 12.7 | 7.938 | 2.5 | 11° | | | | | | | | | | | | |
| | | | APNT 120208SR | 0.8 | 12.7 | 7.938 | 2.5 | 11° | | | | | | | | | | | | |
| | | | ADET 160302SR | 0.2 | 15.875 | 9.525 | 3.18 | 15° | | | | | | | | | | | | |
| | | | 160304SR | 0.4 | 15.875 | 9.525 | 3.18 | 15° | | | | | | | | | | | | |
| | | | 160308SR | 0.8 | 15.875 | 9.525 | 3.18 | 15° | | | | | | | | | | | | |
| | | | ADNT 160308SR | 0.8 | 15.875 | 9.525 | 3.18 | 15° | | | | | • | | • | • | • | | | |

### ■ UEX 直角台肩精铣刀

Right Angle Shoulder Fine Milling Cutter



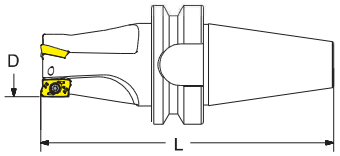

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | L2 | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UEX12R12-12-150-1T | 12 | 12 | 150 | 40 | - | 12 | AP□T1202 | M3.5×8 | T15 | • | 326700 | 100 |
| UEX12R16-16-160-1T | 16 | 16 | 160 | 50 | - | 12 | | | | • | 326702 | 100 |
| UEX12R16-17-160-1T | 17 | 16 | 160 | 40 | - | 12 | | | | • | 326704 | 100 |
| UEX12R16-20-120-2T | 20 | 16 | 160 | 50 | - | 12 | | | | • | 326706 | 120 |
| UEX12R20-20-160-2T | 20 | 20 | 120 | 40 | - | 12 | | | | • | 326708 | 135 |
| UEX12R20-20-200-2T | 20 | 20 | 200 | 50 | 100 | 12 | | | | • | 326710 | 135 |
| UEX12R20-21-160-2T | 21 | 20 | 160 | 40 | - | 12 | | | | • | 326712 | 120 |
| UEX16R20-25-130-2T | 25 | 20 | 130 | 40 | - | 15 | AD□T1603 | M4×7.5 | T15 | • | 326714 | 150 |
| UEX16R25-25-160-2T | 25 | 25 | 160 | 50 | - | 15 | | | | • | 326716 | 140 |
| UEX16R25-25-200-2T | 25 | 25 | 200 | 50 | - | 15 | | | | • | 326718 | 150 |
| UEX16R25-25-250-2T | 25 | 25 | 250 | 75 | - | 15 | | | | • | 326720 | 165 |
| UEX16R25-26-200-2T | 26 | 25 | 200 | 50 | - | 15 | | | | • | 326722 | 150 |
| UEX16R25-30-160-3T | 30 | 25 | 160 | 50 | - | 15 | | | | • | 326724 | 180 |
| UEX16R25-30-200-3T | 30 | 25 | 200 | 50 | - | 15 | | | | • | 326726 | 190 |
| UEX16R25-30-250-3T | 30 | 25 | 250 | 75 | - | 15 | | | | • | 326728 | 210 |

### ■ EDC10 一体式高速强力方肩铣刀

EDC10 Integrated High Strength Square Shoulder Milling Cutter

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

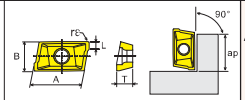
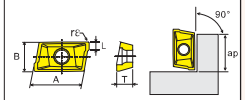
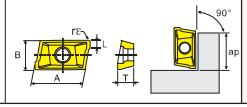



- 一体式刚性结构，轻量化，更具高速性能。
- 通过选用不同材质刀粒，可通用于钢及铜铝合金的粗精加工，适用范围广，高效率，高刚性！

★ Lightweight one-piece rigid structure, high performance, more.
★ Through the selection of different material grain, can be used in the steel and copper aluminum alloyThe coarse and fine processing, wide application range, high efficiency, high rigidity!

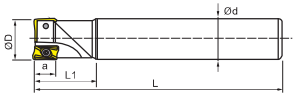
| 型 号 Cat. No | 刃数 Blade number | 总长L Long | 直径 D Diameter | 刀 片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|
| BT30-EDC10-16-2T | 2 | 60 | 16 | EDCT10T308 | • | 326900 | 950 |
| BT30-EDC10-20-2T | 2 | 65 | 20 | | • | 326902 | 950 |
| BT30-EDC10-25-3T | 3 | 75 | 25 | | • | 326904 | 1000 |
| BT30-EDC10-32-4T | 4 | 90 | 32 | | • | 326906 | 1150 |
| BT40-EDC10-16-2T | 2 | 60 | 16 | | • | 326908 | 1000 |
| BT40-EDC10-20-2T | 2 | 65 | 20 | | • | 326910 | 1000 |
| BT40-EDC10-25-3T | 3 | 75 | 25 | | • | 326912 | 1150 |
| BT40-EDC10-32-4T | 4 | 90 | 32 | | • | 326914 | 1250 |

## AXMT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | L | ap | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right angle shoulder milling | |  | AXMT 0602PER-EM | 0.2 | 6 | 4.15 | 2.6 | 1.0 | 5.75 | 刀柄：(Toolholder) D24 | | | | | | • | • | • | | |
| | | | 060204R-EM | 0.4 | 6 | 4.15 | 2.6 | 1.0 | 5.75 | | | | | | | • | • | • | | |
| | | | 060208R-EM | 0.8 | 6 | 4.15 | 2.6 | 1.0 | 5.75 | | | | | | | • | • | • | | |
| | | | 060216R-EM | 1.6 | 6 | 4.15 | 2.6 | 1.0 | 5.75 | | | | | | | • | • | • | | |
| 直角台肩铣削 Right angle shoulder milling | |  | AXMT 0903PER-ML | 0.4 | 9.5 | 6.21 | 3.6 | 1.4 | 8.8 | 刀柄：(Toolholder) D24 | | | | | | • | • | • | | |
| | | | 0903PER-EML | 0.4 | 9.5 | 6.21 | 3.6 | 0.84 | 8.8 | | | | | | | • | • | • | | |
| | | | 090308R-EML | 0.8 | 9.5 | 6.21 | 3.6 | - | 8.8 | | | | | | | • | • | • | | |
| | | | 090316R-ML | 1.6 | 9.5 | 6.21 | 3.6 | - | 8.8 | | | | | | | • | • | • | | |
| | | | 090320R-EML | 2.0 | 9.5 | 6.21 | 3.6 | - | 8.8 | | | | | | | • | • | • | | |
| | | | 090332R-EML | 3.2 | 9.5 | 6.21 | 3.6 | - | 8.8 | | | | | | | • | • | • | | |
| 直角台肩铣削 Right angle shoulder milling | 铝专用 Special for Aluminum |  | AXCT 060202R-AL | 0.2 | 6 | 4.15 | 2.6 | 0.83 | 5.75 | 刀柄：(Toolholder) D24 | | | • | | | | | | | |
| | | | 060204R-AL | 0.4 | 6 | 4.15 | 2.6 | 0.83 | 5.75 | | | | • | | | | | | | |
| | | | 0903PER-AL | 0.4 | 9.5 | 6.21 | 3.6 | 0.83 | 8.8 | | | | • | | | | | | | |

### ■ TE90 直角台肩精铣刀

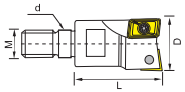
Right Angle Shoulder Fine Milling Cutter




### ■ TE90 锁牙式铣刀头

Lock type milling head

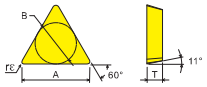
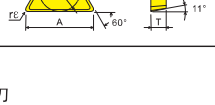
切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04



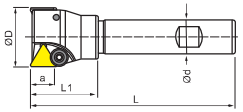

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| TE90AX06R08-08-120-1T | 8 | 8 | 120 | 20 | AXMT0602.. | M1.8×4 | T6 | • | 325800 | 160 |
| TE90AX06R10-10-75-2T | 10 | 10 | 75 | 20 | | | | • | 325802 | 180 |
| TE90AX06R10-10-120-2T | 10 | 10 | 120 | 20 | | | | • | 325804 | 180 |
| TE90AX06R10-11-120-2T | 11 | 10 | 120 | 20 | | | | • | 325806 | 180 |
| TE90AX06R12-12-150-2T | 12 | 12 | 150 | 20 | | | | • | 325808 | 180 |
| TE90AX06R12-13-150-3T | 13 | 12 | 150 | 20 | | | | • | 325810 | 180 |
| TE90AX06R16-16-150-3T | 16 | 16 | 150 | 20 | | | | • | 325812 | 200 |
| TE90AX06R16-16-150-4T | 16 | 16 | 150 | 20 | | | | • | 325814 | 220 |
| TE90AX06R16-17-150-3T | 17 | 16 | 150 | 20 | | | | • | 325816 | 200 |
| TE90AX06R16-17-150-4T | 17 | 16 | 150 | 20 | | | | • | 325818 | 220 |
| TE90AX09R12-12-150-1T | 12 | 12 | 150 | 20 | AXMT0903.. | M2.5×6 | T8 | • | 325820 | 180 |
| TE90AX09R12-14-150-1T | 14 | 12 | 150 | 20 | | | | • | 325822 | 190 |
| TE90AX09R16-16-150-2T | 16 | 16 | 150 | 25 | | | | • | 325824 | 180 |
| TE90AX09R16-17-150-2T | 17 | 16 | 150 | 25 | | | | • | 325826 | 180 |
| TE90AX09R20-18-150-2T | 18 | 20 | 150 | 30 | | | | • | 325828 | 220 |
| TE90AX09R20-20-150-3T | 20 | 20 | 150 | 30 | | | | • | 325830 | 200 |
| TE90AX09R20-21-150-3T | 21 | 20 | 150 | 30 | | | | • | 325832 | 200 |
| TE90AX09R25-25-150-3T | 25 | 25 | 150 | 30 | | | | • | 325834 | 230 |
| TE90AX09R25-25-150-4T | 25 | 25 | 150 | 30 | | | | • | 325836 | 260 |
| TE90AX09R25-26-150-3T | 26 | 25 | 150 | 30 | | | | • | 325838 | 230 |
| TE90AX09R32-32-150-4T | 32 | 32 | 150 | 35 | | | | • | 325840 | 280 |
| TE90AX09R32-35-150-4T | 35 | 32 | 150 | 35 | | | | • | 325842 | 320 |

| 型 号 Cat. No | 尺 寸 Size D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TE90AX06R091M04 | 9 | 14 | 4.5 | M4 | 1 | AXMT0602.. | - | M1.8×4 | T6 | • | 325900 | 300 |
| TE90AX06R112M05 | 11 | 16 | 5.5 | M5 | 2 | | | | | • | 325902 | 300 |
| TE90AX06R133M06 | 13 | 18 | 6.5 | M6 | 3 | | | | | • | 325904 | 320 |
| TE90AX06R174M08 | 17 | 23 | 8.5 | M8 | 4 | | | | | • | 325906 | 350 |
| TE90AX09R172M08 | 17 | 23 | 8.5 | M8 | 2 | AXMT0903.. | - | M2.5×6 | T8 | • | 325908 | 320 |
| TE90AX09R213M10 | 21 | 30 | 10.5 | M10 | 3 | | | | | • | 325910 | 320 |
| TE90AX09R263M12 | 26 | 35 | 12.5 | M12 | 3 | | | | | • | 325912 | 350 |
| TE90AX09R353M16 | 35 | 43 | 17 | M16 | 3 | | | | | • | 325914 | 380 |

## TPKN TPKR 直角/倒角 无孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZP231 | ZP201 | ZP150 | ZP151 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削/倒角加工 Face milling/chamfering | |  | TPKN 110304 | 0.4 | 11 | 6.35 | 3.18 | 刀柄：(Toolholder) D25,D45 | | • | | • | • | • | • | • | • | • | • |
| | | | 110308 | 0.8 | 11 | 6.35 | 3.18 | | | • | | • | • | • | • | • | • | • | • |
| | | | 160304 | 0.4 | 16.5 | 9.525 | 3.18 | | | • | | • | • | • | • | • | • | • | • |
| | | | 160308 | 0.8 | 16.5 | 9.525 | 3.18 | | | • | | • | • | • | • | • | • | • | • |
| | | | 220404 | 0.4 | 22 | 12.7 | 4.76 | | | • | | • | • | • | • | • | • | • | • |
| | | | 220408 | 0.8 | 22 | 12.7 | 4.76 | | | • | | • | • | • | • | • | • | • | • |
| | | | 220412 | 1.2 | 22 | 12.7 | 4.76 | | | • | | • | • | • | • | • | • | • | • |
| | | | 2204PDR | - | 22 | 12.7 | 4.76 | | | • | | • | • | • | • | • | • | • | • |
| 平面铣削/倒角加工 Face milling/chamfering | |  | TPMR 090204 | 0.4 | 9.6 | 5.56 | 2.38 | 刀柄：(Toolholder) D25,D45 | | | | • | • | • | • | • | • | • | |
| | | | 110304 | 0.4 | 11 | 6.35 | 3.18 | | | | | • | • | • | • | • | • | • | |
| | | | 110308 | 0.8 | 11 | 6.35 | 3.18 | | | | | • | • | • | • | • | • | • | |
| | | | 160304 | 0.4 | 16.5 | 9.525 | 3.18 | | | | | • | • | • | • | • | • | • | |
| | | | 160308 | 0.8 | 16.5 | 9.525 | 3.18 | | | | | • | • | • | • | • | • | • | |
| | | | 160312 | 1.2 | 16.5 | 9.525 | 3.18 | | | | | • | • | • | • | • | • | • | |
| | | | 220412 | 1.2 | 22 | 12.7 | 4.76 | | | | | • | • | • | • | • | • | • | |
| | | | 330916 | 1.6 | 33 | 19.05 | 9.52 | | | | | • | • | • | • | • | • | • | |

## ■ TP 台肩立铣刀
Shoulder End Mill

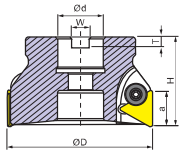



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

●配备传统刀片，切削成本低
★ Equipped with a traditional blade, cutting low-cost

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TP11R16-16-100 | 16 | 16 | 100 | 45 | 10 | TP□N1103 | TP-11 | 3/16伞形 | L3 | • | 325500 | 150 |
| TP11R20-20-100 | 20 | 20 | 100 | 45 | 10 | | | | | • | 325502 | 150 |
| TP11R20-25-130 | 25 | 20 | 130 | 45 | 10 | | | | | • | 325504 | 150 |
| TP16R20-30-100 | 30 | 20 | 100 | 45 | 14 | TP□N1603 | TP-16 | 1/4伞形 | L4 | • | 325506 | 150 |
| TP16R20-35-100 | 35 | 20 | 100 | 45 | 14 | | | | | • | 325508 | 150 |
| TP16R32-35-110 | 35 | 32 | 110 | 45 | 14 | | | | | • | 325510 | 150 |
| TP16R20-40-110 | 40 | 20 | 110 | 45 | 14 | | | | | • | 325512 | 150 |
| TP16R25-40-110 | 40 | 25 | 110 | 45 | 14 | | | | | • | 325514 | 150 |
| TP16R32-40-115 | 40 | 32 | 115 | 45 | 14 | | | | | • | 325516 | 150 |
| TP16R20-50-110 | 50 | 20 | 110 | 45 | 14 | | | | | • | 325518 | 200 |
| TP22R20-50-110 | 50 | 20 | 110 | 42 | 20 | TP□N2204 | TP-22 | 5-16伞形 | L5 | • | 325520 | 200 |
| TP22R32-50-115 | 50 | 32 | 115 | 42 | 20 | | | | | • | 325522 | 200 |
| TP22R25-63-110 | 63 | 25 | 110 | 42 | 20 | | | | | • | 325524 | 250 |
| TP22R32-80-130 | 80 | 32 | 130 | 42 | 20 | | | | | • | 325526 | 335 |

## ■ TP 直角台肩面铣刀盘
Right Angle Shoulder Milling Cutter

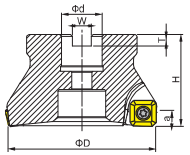



切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

•配备传统刀片，切削成本低
★ Equipped with a traditional blade, cutting low-cost

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TP11R40-16-4T | 40 | 16 | 45 | 8.4 | 5.6 | 9 | TP□N1103 | TP-11 | 3/16伞形 | L3 | • | 325600 | - | 160 |
| TP11R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 9 | | | | | • | 325602 | - | 160 |
| TP16R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 14 | TP□N1603 | TP-16 | 1/4伞形 | L4 | • | 325604 | - | 160 |
| TP22R50-22-3T | 50 | 22 | 50 | 10.4 | 6.3 | 18 | TP□N2204 | TP-22 | 5/16伞形 | L5 | • | 325606 | 250 | - |
| TP22R63-22-3T | 63 | 22 | 50 | 10.4 | 6.3 | 18 | | | | | • | 325608 | 283 | 160 |
| TP22R80-27-4T | 80 | 27 | 50 | 12.4 | 7 | 18 | | | | | • | 325610 | 417 | 270 |
| TP22R100-32-5T | 100 | 32 | 50 | 14.4 | 8 | 18 | | | | | • | 325612 | 600 | 425 |
| TP22R125-40-6T | 125 | 40 | 60 | 16.4 | 9 | 18 | | | | | • | 325614 | 1000 | 540 |
| TP22R160-40-7T | 160 | 40 | 63 | 16.4 | 9 | 18 | | | | | • | 325616 | - | 850 |
| TP22R200-60-8T | 200 | 60 | 63 | 25.7 | 14 | 18 | | | | | • | 325618 | - | 1350 |
| TP22R63-25.4-3T | 63 | 25.4 | 50 | 10 | 6 | 18 | | | | | • | 325620 | - | 160 |
| TP22R80-25.4-4T | 80 | 25.4 | 50 | 10 | 6 | 18 | | | | | • | 325622 | - | 270 |
| TP22R100-31.75-6T | 100 | 31.75 | 50 | 13 | 8 | 18 | | | | | • | 325624 | - | 425 |
| TP22R125-38.1-6T | 125 | 38.1 | 60 | 16.2 | 10 | 18 | | | | | • | 325626 | - | 540 |
| TP22R160-38.1-7T | 160 | 38.1 | 63 | 16.2 | 10 | 18 | | | | | • | 325628 | - | 850 |
| TP22R200-47.625-8T | 200 | 47.625 | 63 | 25.4 | 14.3 | 18 | | | | | • | 325630 | - | 1350 |

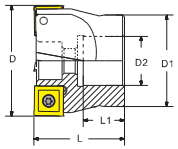
## SSD90 直角台肩面铣刀盘
SSD90 Right Angle Step Face Milling Cutter




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 Blade number | 直径 D Diameter | 内径 d Inside diameter | 端面直径 End face diameter | 总长 H Long | 沉头位直径 Countersunk head diameter | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| SSD90R50-22-4T | 4 | 50 | 22 | 41 | 40 | 17 | SDMT1204PDER SDHW1204PDTR | • | 327100 | 280 |
| SSD90R63-22-5T | 5 | 63 | 22 | 50 | 40 | 17 | | • | 327102 | 300 |
| SSD90R80-27-6T | 6 | 80 | 27 | 60 | 50 | 37 | | • | 327104 | 450 |
| SSD90R100-32-8T | 8 | 100 | 32 | 70 | 50 | 43 | | • | 327106 | 680 |
| SSD90R125-40-10T | 10 | 125 | 40 | 80 | 63 | 57 | | • | 327108 | 850 |

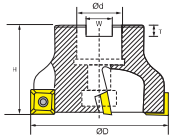
## ASX400 直角台肩面铣刀盘
ASX400 Right Angle Step Face Milling Cutter




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 Blade number | 直径 D Diameter | 总长 L Long | 内径 D2 Inside diameter | 端面直径 End face diameter | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| ASX400R50-22-4T | 4 | 50 | 40 | 22 | 41 | SPMT12T308 | • | 327200 | 300 |
| ASX400R63-22-5T | 5 | 63 | 40 | 22 | 50 | | • | 327202 | 350 |
| ASX400R80-27-6T | 6 | 80 | 50 | 27 | 60 | | • | 327204 | 450 |
| ASX400R100-32-7T | 7 | 100 | 50 | 32 | 70 | | • | 327206 | 700 |
| ASX400R125-40-8T | 8 | 125 | 63 | 40 | 80 | | • | 327208 | 850 |
| ASX400R160-40-10T | 10 | 160 | 63 | 40 | 100 | | • | 327210 | 1300 |

## WFX12 直角台肩面铣刀盘
WFX12 Right Angle Shoulder Face Mill



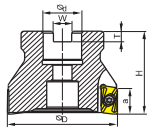

- 可用于插铣，平面、台阶面、槽加工
- 低切削力，大前角，切削轻快
- 高生产率，高精度

★ Can be used to insert milling, flat, level surface, groove
★ Low cutting force, large rake angle, cutting light
★ High productivity, high-precision

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 No.of flutes | 尺寸 Size D | d | H | W | T | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| WFX12R50-22-4T | 4 | 50 | 22 | 40 | 10.4 | 6.3 | SOMT120408PDER | • | 327300 | 300 |
| WFX12R63-22-5T | 5 | 63 | 22 | 40 | 10.4 | 6.3 | | • | 327302 | 350 |
| WFX12R80-27-6T | 6 | 80 | 27 | 50 | 12.4 | 7 | | • | 327304 | 580 |
| WFX12R100-32-6T | 6 | 100 | 32 | 50 | 14.4 | 8 | | • | 327306 | 900 |
| WFX12R125-40-7T | 7 | 125 | 40 | 63 | 16.4 | 9 | | • | 327308 | 1000 |

## WFX17 直角台肩面铣刀盘
WFX17 Right Angle Shoulder Face Mill




- 可用于插铣，平面、台阶面、槽加工
- 低切削力，大前角，切削轻快
- 高生产率，高精度

★ Can be used to insert milling, flat, level surface, groove
★ Low cutting force, large rake angle, cutting light
★ High productivity, high-precision

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

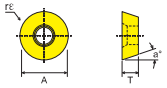
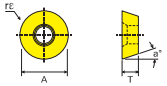
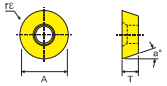
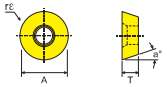
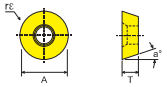
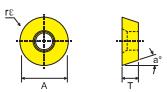
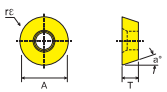
| 型号 Cat. No | 刃数 No.of flutes | 尺寸 Size D | d | H | W | T | 刀片 Insert | 螺钉 Clamp screw | 扳手 wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEX17R50-22-4T | 4 | 50 | 22 | 40 | 10.4 | 6.3 | AXMT170508PEER-G | M3×7 | T8 | • | 327400 | 280 |
| WEX17R63-22-4T | 4 | 63 | 22 | 40 | 10.4 | 6.3 | | | | • | 327402 | 315 |
| WEX17R80-27-6T | 6 | 80 | 27 | 50 | 12.4 | 7 | | | | • | 327404 | 550 |
| WEX17R100-32-8T | 8 | 100 | 32 | 50 | 14.4 | 8 | | | | • | 327406 | 800 |
| WEX17R125-40-10T | 10 | 125 | 40 | 63 | 16.4 | 9 | | | | • | 327408 | 1050 |
| WEX17R160-40-12T | 12 | 160 | 40 | 63 | 16.4 | 9 | | | | • | 327410 | 1450 |

# RP..

## 11°后角圆形 有孔单面 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK03 | ZK025 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 圆角铣削加工 Fillet milling | |  | RPGT 08T2-AL<br>1003-AL<br>10T3-AL<br>1204-AL | 4<br>5<br>5<br>6 | 8<br>10<br>10<br>12 | 2.78<br>3.15<br>3.97<br>4.76 | 11°<br>11°<br>11°<br>11° | 刀柄: (Toolholder) D29-D30 | | | | ● | | | | | | | |
| 圆角铣削加工 Fillet milling | |  | RPEW 0802MO<br>1003MO<br>1003MO-DU<br>1204MOF | 4<br>5<br>5<br>6 | 8<br>10<br>10<br>12 | 2.38<br>3.15<br>3.97<br>4.76 | 11°<br>11°<br>11°<br>11° | 刀柄: (Toolholder) D29-D30 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RPKT 10T3MOF<br>1204MOF | 5<br>6 | 10<br>12 | 3.97<br>4.76 | 11°<br>11° | 刀柄: (Toolholder) D29-D30 | | | | | | | | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RPKT 10T3MOT<br>1204MOT | 5<br>6 | 10<br>12 | 3.97<br>4.76 | 11°<br>11° | 刀柄: (Toolholder) D29-D30 | | | | | | | | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RPMT 08T2MOE-JS<br>1003MOE-JS<br>10T3MOE-JS<br>1204MOE-JS | 4<br>5<br>5<br>6 | 8<br>10<br>10<br>12 | 2.78<br>3.18<br>3.97<br>4.76 | 11°<br>11°<br>11°<br>11° | 刀柄: (Toolholder) D29-D30 | | | | ● | | ● | ● | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RPMT 10T3MO-DU<br>1204MO-DU | 5<br>6 | 10<br>12 | 3.97<br>4.76 | 11°<br>11° | 刀柄: (Toolholder) D29-D30 | | | | | | | ● | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RPMT 08T2MO-GH<br>10T3MO-GH<br>1204MO-GH | 4<br>5<br>6 | 8<br>10<br>12 | 2.78<br>3.97<br>4.76 | 11°<br>11°<br>11° | 刀柄: (Toolholder) D29-D30 | | | | | | | ● | ● | ● | ● | ● |



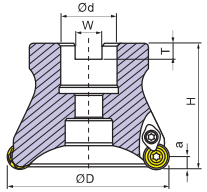


## ■ EMRW 圆鼻面铣刀盘

Round Nose Milling Cutter

- 使用15° 正角刀片
- 刀片经济，适用性强
- 容屑空间大，排屑好
- 锥形设计，钢性高

★ Using the 15° positive angle blade
★ Blade economy, the applicability of high
★ Capacity chip a large space, good chip disposal
★ Cone design, steel high



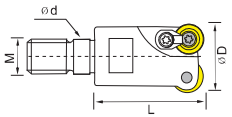

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMR5R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 5 | RPMW 1003 MO<br>RPMT 10T3 MOE | Y-5R | M4×10<br>M3.5×10 | T15 | ● | 327600 | 167 | 200 |
| EMR5R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 5 | | | | | ● | 327602 | 200 | 225 |
| EMR5R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 5 | | | | | ● | 327604 | 307 | 350 |
| EMR5R100-32-6T | 100 | 32 | 50 | 14.4 | 7 | 5 | | | | | ● | 327606 | 483 | 540 |
| EMR5R125-40-7T | 125 | 40 | 63 | 16.4 | 9 | 5 | | | | | ● | 327608 | 767 | 750 |
| EMR5R160-40-8T | 160 | 40 | 63 | 16.4 | 9 | 5 | | | | | ● | 327610 | 867 | 1150 |
| EMR5R50-25.4-4T | 50 | 25.4 | 50 | 10 | 6 | 5 | | | | | ● | 327612 | 167 | - |
| EMR5R63-25.4-4T | 63 | 25.4 | 50 | 10 | 6 | 5 | | | | | ● | 327614 | 200 | 225 |
| EMR5R80-25.4-6T | 80 | 25.4 | 50 | 10 | 6 | 5 | | | | | ● | 327616 | 333 | 350 |
| EMR5R100-31.75-6T | 100 | 31.75 | 50 | 13 | 8 | 5 | | | | | ● | 327618 | 500 | 540 |

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMRW6R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 6 | RPMT1204 MO<br>RPMW1204 MO | Y-6R | M4×10 | T15 | ● | 328100 | 167 | 200 |
| EMRW6R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 6 | | | | | ● | 328102 | 200 | 225 |
| EMRW6R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 6 | | | | | ● | 328104 | 307 | 350 |
| EMRW6R100-32-6T | 100 | 32 | 50 | 14.4 | 7 | 6 | | | | | ● | 328106 | 483 | 540 |
| EMRW6R125-40-7T | 125 | 40 | 63 | 16.4 | 9 | 6 | | | | | ● | 328108 | 767 | 750 |
| EMRW6R160-40-8T | 160 | 40 | 63 | 16.4 | 9 | 6 | | | | | ● | 328110 | 867 | 1150 |
| EMRW6R200-60-9T | 200 | 60 | 63 | 25.7 | 14 | 6 | | | | | ● | 328112 | 1833 | 1600 |
| EMRW6R250-40-12T | 250 | 40 | 63 | 25.7 | 14 | 6 | | | | | ● | 328114 | 2500 | - |
| EMRW6R300-60-14T | 300 | 60 | 63 | 25.7 | 14 | 6 | | | | | ● | 328116 | 3000 | - |
| EMRW6R50-25.4-4T | 50 | 25.4 | 50 | 10 | 6 | 6 | | | | | ● | 328118 | 167 | - |
| EMRW6R63-25.4-4T | 63 | 25.4 | 50 | 10 | 6 | 6 | | | | | ● | 328120 | 200 | 225 |
| EMRW6R80-25.4-6T | 80 | 25.4 | 50 | 10 | 6 | 6 | | | | | ● | 328122 | 333 | 350 |
| EMRW6R100-31.75-6T | 100 | 31.75 | 50 | 13 | 8 | 6 | | | | | ● | 328124 | 500 | 540 |

## ■ EMRM 圆刃立铣刀

Corner Rounding End Mills(EMRM)



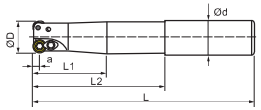

■ 圆刀片切削刃强度高
系列产品品种丰富
最适合模具材料加工

■ Circular blade cutting edge strength is high.
Series of products rich variety.
The most suitable mold materials processing.

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

| 型 号 Cat. No | 尺 寸 Size D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMRM4R162M8 | 16 | 35 | 8.5 | M8 | 2 | RPMW0802MO | Y-4R | M3X7 | T8 | ● | 327700 | 150 |
| EMRM4R172M8 | 17 | 35 | 8.5 | M8 | 2 | | | | | ● | 327702 | 150 |
| EMRM4R202M10 | 20 | 35 | 10.5 | M10 | 2 | | | | | ● | 327704 | 160 |
| EMRM4R212M10 | 21 | 35 | 10.5 | M10 | 2 | | | | | ● | 327706 | 160 |
| EMRM5R202M10 | 20 | 35 | 10.5 | M10 | 2 | RPMW1003MO | Y-5R | M4X10<br>M3.5X10 | T15 | ● | 327708 | 160 |
| EMRM5R212M10 | 21 | 35 | 10.5 | M10 | 2 | | | | | ● | 327710 | 160 |
| EMRM5R252M12 | 25 | 35 | 12.5 | M12 | 2 | | | | | ● | 327712 | 200 |
| EMRM5R262M12 | 26 | 40 | 12.5 | M12 | 2 | | | | | ● | 327714 | 200 |
| EMRM5R302M16 | 30 | 40 | 17 | M16 | 2 | | | | | ● | 327716 | 300 |
| EMRM5R353M16 | 35 | 40 | 17 | M16 | 3 | | | | | ● | 327717 | 300 |
| EMRM6R302M16 | 30 | 40 | 17 | M16 | 2 | RPMT1204MO | Y-6R | M4X10 | T15 | ● | 327718 | 300 |
| EMRM6R353M16 | 35 | | | | 3 | | | | | ● | 327719 | 300 |

## ■ EMR 圆鼻立铣刀
Round Nose End Mill




切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

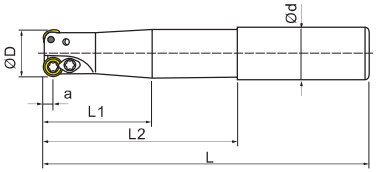
●适配多种经济型刀片，性价比高。
★ Fit a variety of economic-type blade, cost-effective

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | L2 | a | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 压板 Clamp | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMR4R10-10-120-1T | 10 | 10 | 120 | 30 | - | 4 | 1 | RPMT0802.. | M3×7 | 无 | T10 | ● | 327500 | 67 | - |
| EMR4R12-12-130-1T | 12 | 12 | 130 | 40 | - | 4 | 1 | | | | | ● | 327502 | 67 | 100 |
| EMR4R12-13-130-1T | 13 | 12 | 130 | 40 | - | 4 | 1 | | | | | ● | 327504 | 67 | 100 |
| EMR4R15-16-150-2T | 16 | 15 | 150 | 40 | - | 4 | 2 | | | Y-4R | | ● | 327506 | - | 110 |
| EMR4R15-16-200-2T | 16 | 15 | 200 | 50 | - | 4 | 2 | | | | | ● | 327508 | - | 140 |
| EMR4R16-16-130-2T | 16 | 16 | 130 | 40 | - | 4 | 2 | | | | | ● | 327510 | - | 110 |
| EMR4R16-16-150-2T | 16 | 16 | 150 | 50 | - | 4 | 2 | | | | | ● | 327512 | 83 | 110 |
| EMR4R16-16-200-2T | 16 | 16 | 200 | 60 | 100 | 4 | 2 | | | | | ● | 327514 | 100 | 140 |
| EMR4R16-17-150-2T | 17 | 16 | 150 | 50 | - | 4 | 2 | | | | | ● | 327516 | 83 | 110 |
| EMR4R16-17-200-2T | 17 | 16 | 200 | 60 | - | 4 | 2 | | | | | ● | 327518 | 100 | 140 |
| EMR4R19-20-150-2T | 20 | 19 | 150 | 40 | - | 4 | 2 | | | | | ● | 327520 | 100 | 130 |
| EMR4R19-20-200-2T | 20 | 19 | 200 | 40 | - | 4 | 2 | | | | | ● | 327522 | 117 | 145 |
| EMR4R20-20-150-2T | 20 | 20 | 150 | 50 | - | 4 | 2 | | | | | ● | 327524 | 100 | 130 |
| EMR4R20-20-200-2T | 20 | 20 | 200 | 60 | 100 | 4 | 2 | | | | | ● | 327526 | 117 | 145 |
| EMR4R25-20-250-2T | 20 | 25 | 250 | 60 | - | 4 | 2 | | | | | ● | 327528 | 167 | - |
| EMR4R20-21-150-2T | 21 | 20 | 150 | 50 | - | 4 | 2 | | | | | ● | 327530 | 100 | - |
| EMR4R20-21-200-2T | 21 | 20 | 200 | 60 | - | 4 | 2 | | | | | ● | 327532 | 117 | - |
| EMR5R19-20-150-2T | 20 | 20 | 150 | 50 | - | 5 | 2 | RPMW1003.. | M3.5×10 | Y-5R | T15 | ● | 327534 | 100 | - |
| EMR5R19-20-200-2T | 20 | 19 | 200 | 60 | - | 5 | 2 | | | | | ● | 327536 | 117 | - |
| EMR5R20-20-150-2T | 20 | 19 | 150 | 40 | - | 5 | 2 | | | | | ● | 327538 | 100 | 130 |
| EMR5R20-20-200-2T | 20 | 20 | 200 | 50 | 100 | 5 | 2 | | | | | ● | 327540 | 117 | 145 |
| EMR5R20-21-150-2T | 21 | 20 | 150 | 50 | - | 5 | 2 | | | | | ● | 327542 | 100 | 130 |
| EMR5R20-21-200-2T | 21 | 20 | 200 | 60 | - | 5 | 2 | | | | | ● | 327544 | 117 | 145 |
| EMR5R20-25-150-2T | 25 | 20 | 150 | 50 | - | 5 | 2 | | | | | ● | 327546 | 117 | 100 |
| EMR5R20-25-200-2T | 25 | 20 | 200 | 50 | - | 5 | 2 | | | | | ● | 327548 | 127 | 135 |
| EMR5R24-25-150-2T | 25 | 24 | 150 | 40 | - | 5 | 2 | | | | | ● | 327550 | 117 | 100 |
| EMR5R24-25-200-2T | 25 | 24 | 200 | 50 | - | 5 | 2 | | | | | ● | 327552 | 127 | 135 |
| EMR5R24-25-250-2T | 25 | 24 | 250 | 50 | - | 5 | 2 | | | | | ● | 327554 | 117 | 100 |
| EMR5R25-25-150-2T | 25 | 25 | 150 | 50 | - | 5 | 2 | | | | | ● | 327556 | - | 160 |
| EMR5R25-25-200-2T | 25 | 25 | 200 | 60 | - | 5 | 2 | | | | | ● | 327558 | 127 | 135 |
| EMR5R25-25-250-2T | 25 | 25 | 250 | 70 | 115 | 5 | 2 | | | | | ● | 327560 | 167 | 160 |
| EMR5R32-25-300-2T | 25 | 32 | 300 | 70 | - | 5 | 2 | | | | | ● | 327562 | 267 | - |
| EMR5R25-26-150-2T | 26 | 25 | 150 | 50 | - | 5 | 2 | | | | | ● | 327564 | 117 | 100 |
| EMR5R25-26-200-2T | 26 | 25 | 200 | 60 | - | 5 | 2 | | | | | ● | 327566 | 127 | 135 |
| EMR5R25-26-250-2T | 26 | 25 | 250 | 70 | - | 5 | 2 | | | | | ● | 327568 | 167 | 160 |
| EMR5R25-30-150-2T | 30 | 25 | 150 | 48 | - | 5 | 2 | | | | | ● | 327570 | 117 | 110 |
| EMR5R25-30-200-2T | 30 | 25 | 200 | 50 | - | 5 | 2 | | | | | ● | 327572 | 133 | 145 |
| EMR5R25-30-250-2T | 30 | 25 | 250 | 60 | - | 5 | 2 | | | | | ● | 327574 | 167 | 170 |
| EMR5R25-30-300-2T | 30 | 25 | 300 | 60 | - | 5 | 2 | | | | | ● | 327576 | - | 200 |
| EMR5R32-30-300-2T | 30 | 32 | 300 | 60 | - | 5 | 2 | | | | | ● | 327578 | - | 200 |
| EMR5R32-35-160-2T | 35 | 32 | 150 | 50 | - | 5 | 2 | | | | | ● | 327580 | - | 170 |
| EMR5R32-35-150-3T | 35 | 32 | 150 | 50 | - | 5 | 3 | | | | | ● | 327582 | 177 | 180 |
| EMR5R32-35-200-2T | 35 | 32 | 200 | 60 | - | 5 | 2 | | | | | ● | 327584 | - | 180 |
| EMR5R32-35-200-3T | 35 | 32 | 200 | 60 | - | 5 | 3 | | | | | ● | 327586 | 200 | 190 |
| EMR5R32-35-250-2T | 35 | 32 | 250 | 70 | - | 5 | 2 | | | | | ● | 327588 | - | 190 |
| EMR5R32-35-250-3T | 35 | 32 | 250 | 70 | - | 5 | 3 | | | | | ● | 327590 | 233 | 225 |
| EMR5R32-35-300-3T | 35 | 32 | 300 | 70 | - | 5 | 3 | | | | | ● | 327592 | 300 | 245 |
| EMR5R32-35-350-3T | 35 | 32 | 350 | 70 | - | 5 | 3 | | | | | ● | 327594 | 367 | 275 |
| EMR5R32-35-400-3T | 35 | 32 | 400 | 70 | - | 5 | 3 | | | | | ● | 327596 | 500 | 320 |
| EMR5R32-40-150-3T | 40 | 32 | 150 | 70 | - | 5 | 3 | | | | | ● | 327598 | 183 | 250 |
| EMR5R32-40-200-3T | 40 | 32 | 200 | 70 | - | 5 | 3 | | | | | ● | 327600 | 217 | 260 |
| EMR5R32-40-250-3T | 40 | 32 | 250 | 70 | - | 5 | 3 | | | | | ● | 327602 | 250 | 300 |
| EMR5R32-40-300-3T | 40 | 32 | 300 | 70 | - | 5 | 3 | | | | | ● | 327604 | 300 | 340 |
| EMR5R32-40-350-3T | 40 | 32 | 350 | 70 | - | 5 | 3 | | | | | ● | 327606 | 383 | 380 |
| EMR5R32-40-400-3T | 40 | 32 | 400 | 70 | - | 5 | 3 | | | | | ● | 327608 | 500 | - |
| EMR5R32-50-150-4T | 50 | 32 | 150 | 50 | - | 5 | 4 | | | | | ● | 327610 | 267 | - |
| EMR5R32-50-200-4T | 50 | 32 | 200 | 50 | - | 5 | 4 | | | | | ● | 327612 | 333 | - |
| EMR5R20-30-110A-2T | 30 | 20 | 110 | 30 | - | 5 | 2 | | | | | ● | 327614 | 60 | - |
| EMR5R20-30-110B-2T | 30 | 20 | 110 | 30 | - | 5 | 2 | | | | | ● | 327616 | 93 | 70 |
| EMR5R3/4-30-110-2T | 30 | 3/4 | 110 | 30 | - | 5 | 2 | | | | | ● | 327618 | 93 | 70 |





## ■ EMRW 圆鼻立铣刀
Round Nose End Mill




●刀片经济，适用性高
●容屑空间大，排屑好

★ Blade economy, the high applicability.
★ Capacity chip a large space, good chip removal.

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

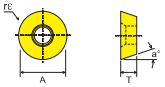
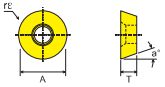
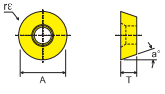
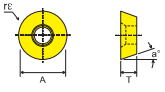
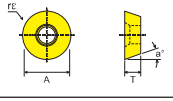
| 型号 Cat. No | 尺寸 Size D | d | L | L1 | L2 | a | 刃数 No. of flutes | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EMRW4R12-12-130-1T | 12 | 12 | 130 | 40 | - | 4 | 1 | RPMT 08T2MOE | 无 | M3×7 | T10 | ● | 327900 | 67 | - |
| EMRW4R12-13-130-1T | 13 | 12 | 130 | 40 | - | 4 | 1 | | | | | ● | 327902 | 67 | - |
| EMRW4R15-16-150-2T | 16 | 15 | 150 | 40 | - | 4 | 2 | | | | | ● | 327904 | 83 | - |
| EMRW4R15-16-200-2T | 16 | 15 | 200 | 40 | - | 4 | 2 | | | | | ● | 327906 | 100 | - |
| EMRW4R16-16-150-2T | 16 | 16 | 150 | 50 | - | 4 | 2 | | | | | ● | 327908 | 83 | - |
| EMRW4R16-16-200-2T | 16 | 16 | 200 | 60 | - | 4 | 2 | | | | | ● | 327910 | 100 | - |
| EMRW4R16-17-150-2T | 17 | 16 | 150 | 50 | - | 4 | 2 | | | | | ● | 327912 | 83 | - |
| EMRW4R16-17-200-2T | 17 | 16 | 200 | 60 | - | 4 | 2 | | | | | ● | 327914 | 100 | - |
| EMRW4R19-20-150-2T | 20 | 19 | 150 | 40 | - | 4 | 2 | | | | | ● | 327916 | 110 | - |
| EMRW4R19-20-200-2T | 20 | 19 | 200 | 40 | - | 4 | 2 | | | | | ● | 327918 | 133 | - |
| EMRW4R20-20-150-2T | 20 | 20 | 150 | 50 | - | 4 | 2 | | | | | ● | 327920 | 110 | - |
| EMRW4R20-20-200-2T | 20 | 20 | 200 | 60 | - | 4 | 2 | | | | | ● | 327922 | 133 | - |
| EMRW4R20-21-150-2T | 21 | 20 | 150 | 50 | - | 4 | 2 | | | | | ● | 327924 | 110 | - |
| EMRW4R20-21-200-2T | 21 | 20 | 200 | 60 | - | 4 | 2 | | | | | ● | 327926 | 133 | - |
| EMRW5R25-25-150-2T | 25 | 25 | 150 | 50 | - | 5 | 2 | RPMT10T3MOE | Y-5R | M4×9 | T15 | ● | 327928 | 117 | - |
| EMRW5R25-25-200-2T | 25 | 25 | 200 | 50 | - | 5 | 2 | | | | | ● | 327930 | 127 | - |
| EMRW5R25-25-250-2T | 25 | 25 | 250 | 50 | - | 5 | 2 | | | | | ● | 327932 | 193 | - |
| EMRW5R25-30-150-2T | 30 | 25 | 150 | 60 | - | 5 | 2 | | | | | ● | 327934 | 133 | - |
| EMRW5R25-30-200-2T | 30 | 25 | 200 | 60 | - | 5 | 2 | | | | | ● | 327936 | 167 | - |
| EMRW5R25-30-250-2T | 30 | 25 | 250 | 60 | - | 5 | 2 | | | | | ● | 327938 | 227 | - |
| EMRW5R32-35-150-3T | 35 | 32 | 150 | 60 | - | 5 | 3 | | | | | ● | 327940 | 217 | - |
| EMRW5R32-35-200-3T | 35 | 32 | 200 | 60 | - | 5 | 3 | | | | | ● | 327942 | 250 | - |
| EMRW5R32-35-250-3T | 35 | 32 | 250 | 60 | - | 5 | 3 | | | | | ● | 327944 | 283 | - |
| EMRW5R32-35-300-3T | 35 | 32 | 300 | 60 | - | 5 | 3 | | | | | ● | 327946 | 333 | - |
| EMRW6R25-32-150-2T | 32 | 25 | 150 | 50 | - | 6 | 2 | RPMW 1204 MO<br>RPMT 1204 MO | Y-6R | M4×10 | T15 | ● | 327948 | 133 | 165 |
| EMRW6R25-32-200-2T | 32 | 25 | 200 | 55 | - | 6 | 2 | | | | | ● | 327950 | 167 | 175 |
| EMRW6R25-32-250-2T | 32 | 25 | 250 | 60 | - | 6 | 2 | | | | | ● | 327952 | 200 | 190 |
| EMRW6R32-32-150-2T | 32 | 32 | 150 | 50 | - | 6 | 2 | | | | | ● | 327954 | 167 | 165 |
| EMRW6R32-32-200-2T | 32 | 32 | 200 | 50 | - | 6 | 2 | | | | | ● | 327956 | 200 | 175 |
| EMRW6R32-32-250-2T | 32 | 32 | 250 | 60 | - | 6 | 2 | | | | | ● | 327958 | 233 | 190 |
| EMRW6R32-32-300-2T | 32 | 32 | 300 | 60 | - | 6 | 2 | | | | | ● | 327960 | 300 | - |
| EMRW6R32-35-150-2T | 35 | 32 | 150 | 50 | - | 6 | 2 | | | | | ● | 327962 | 183 | - |
| EMRW6R32-35-160-3T | 35 | 32 | 160 | 50 | - | 6 | 3 | | | | | ● | 327964 | - | 210 |
| EMRW6R32-35-200-2T | 35 | 32 | 200 | 50 | - | 6 | 2 | | | | | ● | 327966 | 217 | - |
| EMRW6R32-35-200-3T | 35 | 32 | 200 | 50 | - | 6 | 3 | | | | | ● | 327968 | - | 215 |
| EMRW6R32-35-250-2T | 35 | 32 | 250 | 60 | - | 6 | 2 | | | | | ● | 327970 | 267 | - |
| EMRW6R32-35-250-3T | 35 | 32 | 250 | 60 | - | 6 | 3 | | | | | ● | 327972 | - | 230 |
| EMRW6R32-35-300-2T | 35 | 32 | 300 | 60 | - | 6 | 2 | | | | | ● | 327974 | 333 | - |
| EMRW6R32-35-300-3T | 35 | 32 | 300 | 60 | - | 6 | 3 | | | | | ● | 327976 | - | 260 |
| EMRW6R32-35-350-3T | 35 | 32 | 350 | 60 | - | 6 | 3 | | | | | ● | 327978 | - | 300 |
| EMRW6R32-35-400-3T | 35 | 32 | 400 | 60 | - | 6 | 3 | | | | | ● | 327980 | - | 350 |
| EMRW6R32-40-150-3T | 40 | 32 | 150 | 50 | - | 6 | 3 | | | | | ● | 327982 | 200 | 250 |
| EMRW6R32-40-200-3T | 40 | 32 | 200 | 50 | - | 6 | 3 | | | | | ● | 327984 | 233 | 260 |
| EMRW6R32-40-250-3T | 40 | 32 | 250 | 60 | - | 6 | 3 | | | | | ● | 327986 | 283 | 300 |
| EMRW6R32-40-300-3T | 40 | 32 | 300 | 60 | - | 6 | 3 | | | | | ● | 327988 | 333 | 340 |
| EMRW6R32-40-350-3T | 40 | 32 | 350 | 60 | - | 6 | 3 | | | | | ● | 327990 | 400 | 380 |
| EMRW6R32-40-400-3T | 40 | 32 | 400 | 60 | - | 6 | 3 | | | | | ● | 327992 | 533 | - |
| EMRW6R32-50-150-4T | 50 | 32 | 150 | 50 | - | 6 | 4 | | | | | ● | 327994 | 267 | 340 |
| EMRW6R32-50-200-4T | 50 | 32 | 200 | 50 | - | 6 | 4 | | | | | ● | 327996 | 333 | 380 |

# RC..

7°后角圆形
有孔单面
铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-G | ZN60 | ZK01 | ZK025 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | ● | ● | | ✕ | ✕ | ✕ | ✕ | ● | ● | ● |
| M | 不锈钢 | Stainless Steel | | | ● | | ● | ● | ● | ● | ● | ● | ● |
| K | 铸铁 | Iron | ● | | ● | | ● | ✕ | ✕ | ✕ | | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | ● | | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✕ | ✕ | ● | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✕ | ✕ | ● | ● |

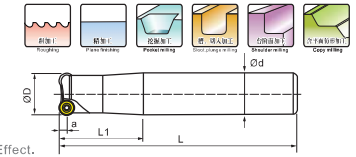
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-G | ZN60 | ZK01 | ZK025 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 圆角铣削加工 Fillet Milling | |  | RCGT 0602-AL | 3 | 6 | 2.38 | 7° | 刀柄: (Toolholder) D32 | | | | • | | | | | | | |
| | | | 0803-AL | 4 | 8 | 3.15 | 7° | | | | | • | | | | | | | |
| | | | 1003-AL | 5 | 10 | 3.15 | 7° | | | | | • | | | | | | | |
| | | | 10T3-AL | 5 | 10 | 3.97 | 7° | | | | | • | | | | | | | |
| | | | 1204-AL | 6 | 12 | 4.76 | 7° | | | | | • | | | | | | | |
| 圆角铣削加工 Fillet Milling | |  | RCKT 10T3MO-PM | 5 | 10 | 3.97 | 7° | 刀柄: (Toolholder) D32 | | | | • | • | • | • | • | • | • | • |
| | | | 1204MO-PM | 6 | 12 | 4.76 | 7° | | | | | • | • | • | • | • | • | • | • |
| | | | 1606MO-PM | 8 | 16 | 6.35 | 7° | | | | | • | • | • | • | • | • | • | • |
| | | | 2006MO-PM | 10 | 20 | 6.35 | 7° | | | | | • | • | • | • | • | • | • | • |
| 圆角铣削加工 Fillet Milling | |  | RCKT 10T3MO-PR | 5 | 10 | 3.97 | 7° | 刀柄: (Toolholder) D32 | | | | • | • | • | • | • | • | • | • |
| | | | 1204MO-PR | 6 | 12 | 4.76 | 7° | | | | | • | • | • | • | • | • | • | • |
| | | | 1606MO-PR | 8 | 16 | 6.35 | 7° | | | | | • | • | • | • | • | • | • | • |
| | | | 2006MO-PR | 10 | 20 | 6.35 | 7° | | | | | • | • | • | • | • | • | • | • |
| 圆角铣削加工 Fillet Milling | |  | RCMT 0803MO | 4 | 8 | 3.18 | 7° | 刀柄: (Toolholder) D32 | | | | • | | • | • | • | • | • | • |
| | | | 1003MO | 5 | 10 | 3.18 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 10T3MO | 5 | 10 | 3.97 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 1204MO | 6 | 12 | 4.76 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 1606MO | 8 | 16 | 6.35 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 2006MO | 10 | 20 | 6.35 | 7° | | | | | • | | • | • | • | • | • | • |
| 圆角铣削加工 Fillet Milling | |  | RCMX 0803MO | 4 | 8 | 3.18 | 7° | 刀柄: (Toolholder) D32 | | | | • | | • | • | • | • | • | • |
| | | | 1003MO | 5 | 10 | 3.18 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 10T3MO | 5 | 10 | 3.97 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 1204MO | 6 | 12 | 4.76 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 1606MO | 8 | 16 | 6.35 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 2006MO | 10 | 20 | 6.35 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 2507MO | 12.5 | 25 | 7.94 | 7° | | | | | • | | • | • | • | • | • | • |
| | | | 3209MO | 16 | 32 | 9.52 | 7° | | | | | • | | • | • | • | • | • | • |



## ■ R200 圆鼻立铣刀

Round Nose End Mill

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04



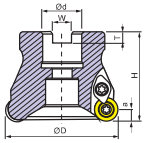

● 适配山特精磨刀片，精度更高，加工效果更佳。
★ Adapter Grinding Blade Sandvik, Higher Accuracy, Processing A Better Effect.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | a | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R200-5R20-25-160-2T | 25 | 20 | 160 | - | 5 | 2 | RC□T 10T3 MO | M3.5×8.5 | T15 | • | 328800 | - | 110 |
| R200-5R24-25-150-2T | 25 | 24 | 150 | 40 | 5 | 2 | | | | • | 328802 | 167 | 110 |
| R200-5R24-25-200-2T | 25 | 24 | 200 | 50 | 5 | 2 | | | | • | 328804 | 183 | 145 |
| R200-5R25-25-150-2T | 25 | 25 | 150 | 50 | 5 | 2 | | | | • | 328806 | 167 | 110 |
| R200-5R25-25-200-2T | 25 | 25 | 200 | 60 | 5 | 2 | | | | • | 328808 | 183 | 145 |
| R200-5R25-25-250-2T | 25 | 25 | 250 | 70 | 5 | 2 | | | | • | 328810 | 217 | - |
| R200-5R25-26-150-2T | 26 | 25 | 150 | 50 | 5 | 2 | | | | • | 328812 | 167 | - |
| R200-5R25-26-200-2T | 26 | 25 | 200 | 60 | 5 | 2 | | | | • | 328814 | 183 | - |
| R200-5R25-26-250-2T | 26 | 25 | 250 | 70 | 5 | 2 | | | | • | 328816 | 217 | - |
| R200-5R25-30-150-2T | 30 | 25 | 150 | 48 | 5 | 2 | | | | • | 328818 | 150 | - |
| R200-5R25-30-200-2T | 30 | 25 | 200 | 50 | 5 | 2 | | | | • | 328820 | 183 | - |
| R200-5R25-30-250-2T | 30 | 25 | 250 | 60 | 5 | 2 | | | | • | 328822 | 217 | - |
| R200-5R32-35-150-3T | 35 | 32 | 150 | 50 | 5 | 3 | | | | • | 328824 | 200 | - |
| R200-5R32-35-200-3T | 35 | 32 | 200 | 60 | 5 | 3 | | | | • | 328826 | 233 | - |
| R200-5R32-35-250-3T | 35 | 32 | 250 | 70 | 5 | 3 | | | | • | 328828 | 283 | - |
| R200-5R32-35-300-3T | 35 | 32 | 300 | 70 | 5 | 3 | | | | • | 328830 | 333 | - |
| R200-5R32-35-350-3T | 35 | 32 | 350 | 70 | 5 | 3 | | | | • | 328832 | 383 | - |
| R200-6R25-32-150-2T | 32 | 25 | 150 | 50 | 6 | 2 | RC□T 1204 MO | M3.5×10 | T15 | • | 328834 | 183 | 165 |
| R200-6R25-32-200-2T | 32 | 25 | 200 | 60 | 6 | 2 | | | | • | 328836 | 200 | 175 |
| R200-6R25-32-250-2T | 32 | 25 | 250 | 70 | 6 | 2 | | | | • | 328838 | 250 | 190 |
| R200-6R32-32-150-2T | 32 | 32 | 150 | 50 | 6 | 2 | | | | • | 328840 | 200 | - |
| R200-6R32-32-200-2T | 32 | 32 | 200 | 60 | 6 | 2 | | | | • | 328842 | 233 | - |
| R200-6R32-32-250-2T | 32 | 32 | 250 | 70 | 6 | 2 | | | | • | 328844 | 267 | - |
| R200-6R32-33-160-2T | 33 | 32 | 160 | - | 6 | 2 | | | | • | 328846 | - | 165 |
| R200-6R32-33-200-2T | 33 | 32 | 200 | - | 6 | 2 | | | | • | 328848 | - | 175 |
| R200-6R32-33-250-2T | 33 | 32 | 250 | - | 6 | 2 | | | | • | 328850 | - | 190 |
| R200-6R32-35-150-3T | 35 | 32 | 150 | 50 | 6 | 3 | | | | • | 328852 | 200 | - |
| R200-6R32-35-200-3T | 35 | 32 | 200 | 60 | 6 | 3 | | | | • | 328854 | 233 | - |
| R200-6R32-35-250-3T | 35 | 32 | 250 | 70 | 6 | 3 | | | | • | 328856 | 283 | - |
| R200-6R32-40-200-3T | 40 | 32 | 200 | 60 | 6 | 3 | | | | • | 328858 | 267 | - |
| R200-6R32-40-250-3T | 40 | 32 | 250 | 70 | 6 | 3 | | | | • | 328860 | 307 | - |
| R200-6R32-40-300-3T | 40 | 32 | 300 | 70 | 6 | 3 | | | | • | 328862 | 350 | - |

## ■ R200 圆鼻面铣刀盘

Round Nose Milling Cutter

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04




•适配山特精磨刀片
•精度，适于精加工
•锥形设计，钢性高

★ Adapter grinding blade Sandvik
★ High precision, suitable for finishing
★ Cone design, steel high

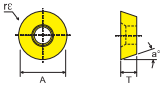
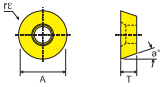
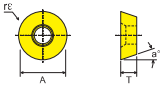
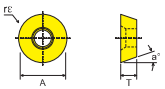
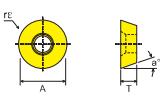
| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R200-5R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 5 | RC□T 10T3 MO | Y-5R | M3.5×8.5 M3.5×10 | T15 | • | 328900 | 200 | 200 |
| R200-5R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 5 | | | | | • | 328902 | 240 | 225 |
| R200-5R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 5 | | | | | • | 328904 | 367 | 350 |
| R200-5R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 5 | | | | | • | 328906 | 567 | 540 |
| R200-5R50-25.4-4T | 50 | 25.4 | 50 | 10.4 | 6.3 | 5 | | | | | • | 328908 | 200 | - |
| R200-5R63-25.4-4T | 63 | 25.4 | 50 | 10.4 | 6.3 | 5 | | | | | • | 328910 | 240 | - |
| R200-6R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 6 | RC□T 1204 MO | Y-6R | M4×10 | T15 | • | 328912 | 200 | 200 |
| R200-6R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 6 | | | | | • | 328914 | 240 | 225 |
| R200-6R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 6 | | | | | • | 328916 | 367 | 350 |
| R200-6R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 6 | | | | | • | 328918 | 567 | 540 |
| R200-6R50-25.4-4T | 50 | 25.4 | 50 | 10.4 | 6.3 | 6 | | | | | • | 328920 | 200 | - |
| R200-6R63-25.4-4T | 63 | 25.4 | 50 | 10.4 | 6.3 | 6 | | | | | • | 328922 | 240 | - |
| R200-8R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 8 | RC□T 1606 MO | Y-8R | M5×12 | T20 | • | 328924 | - | 250 |
| R200-8R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 8 | | | | | • | 328926 | - | 400 |
| R200-8R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 8 | | | | | • | 328928 | - | 600 |
| R200-8R125-40-6T | 125 | 40 | 63 | 16.4 | 9 | 8 | | | | | • | 328930 | - | 750 |
| R200-8R160-40-6T | 160 | 40 | 63 | 16.4 | 9 | 8 | | | | | • | 328932 | - | 1150 |
| R200-8R200-60-6T | 200 | 60 | 63 | 25.7 | 14 | 8 | | | | | • | 328934 | - | 1600 |
| R200-10R100-32-5T | 100 | 32 | 63 | 14.4 | 8 | 10 | RC□T 2006 MO | Y-10R | M5×12 M6×18 | T20 T30 | • | 328936 | - | 600 |
| R200-10R125-40-6T | 125 | 40 | 63 | 16.4 | 9 | 10 | | | | | • | 328938 | - | 750 |

# RD..

## 15°后角圆形 有孔单面 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

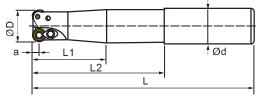
| | | | PCD | CBN-K | CBN-G | ZN60 | ZK01 | ZP235 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | ● | ● | | ✕ | ✕ | ✕ | ✕ | ● | ● | ● |
| M | 不锈钢 | Stainless Steel | | | ● | | ● | ● | ● | ● | ● | ● | ● |
| K | 铸铁 | Iron | | ● | | ● | ● | ✕ | ✕ | ✕ | | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | ● | | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✕ | ✕ | ● | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✕ | ✕ | ● | ● |

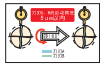
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-G | ZN60 | ZK01 | ZP235 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 圆角铣削加工 Fillet milling | |  | RDKW 0501MO | 2.5 | 5 | 1.59 | 15° | 刀柄: (Toolholder) D34-D35 | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 0702MO | 3.5 | 7 | 2.38 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 0803MO | 4 | 8 | 3.15 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 10T3MO | 5 | 10 | 3.97 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 1204MO | 6 | 12 | 4.76 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 1604MO | 8 | 16 | 4.76 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 1605MO | 8 | 16 | 5.56 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 1606MO | 8 | 16 | 6.35 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 2006MO | 10 | 20 | 6.35 | 15° | | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RDKX 10T3MO | 5 | 10 | 3.97 | 15° | 刀柄: (Toolholder) D34-D35 | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | 1204MO | 6 | 12 | 4.76 | 15° | | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | 1605MO | 8 | 16 | 6.35 | 15° | | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | 10 | 20 | 6.35 | 15° | | | | | | ● | ● | ● | ● | ● | ● | ● |
| 圆角铣削加工 Fillet milling | |  | RDKX 10T3MP-1 | 5 | 10 | 3.97 | 15° | 刀柄: (Toolholder) D34-D35 | | | | | | ● | ● | ● | ● | | |
| | | | 1204MP-1 | 6 | 12 | 4.76 | 15° | | | | | | | ● | ● | ● | ● | | |
| 圆角铣削加工 Fillet milling | |  | RDMW 10T3MOT-PM | 5 | 10 | 3.97 | 15° | 刀柄: (Toolholder) D34-D35 | | | | | | ● | ● | ● | ● | | |
| | | | 1204MOT-PM | 6 | 12 | 4.76 | 15° | | | | | | | ● | ● | ● | ● | | |
| | | | 1605MOT-PM | 8 | 16 | 5.56 | 15° | | | | | | | ● | ● | ● | ● | | |
| 圆角铣削加工 Fillet milling | |  | RDMT 10T3MO | 5 | 10 | 3.97 | 15° | 刀柄: (Toolholder) D34-D35 | | | | | | ● | ● | ● | ● | | |
| | | | 1204MO | 6 | 12 | 4.76 | 15° | | | | | | | ● | ● | ● | ● | | |





## ■ TRS 圆鼻立铣刀
Round Nose End Mill




- 刃片经济，适用性高
- 容屑空间大，排屑好

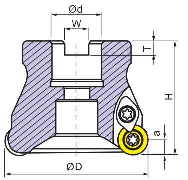
切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

★ Blade economy, the high applicability.
★ Oapacity chip a large apace, good chip removal.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | L2 | a | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 压块 Clamp | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRS2.5R08-08-80-1T | 8 | 8 | 80 | 30 | – | 2.5 | 1 | RDMW 0501 MO | M1.8×4 | — | T6 | ● | 328300 | - | 150 |
| TRS2.5R08-09-100-2 | 9 | 8 | 100 | 30 | – | 2.5 | 2 | | | | | ● | 328302 | - | 150 |
| TRS2.5R10-10-120-2T | 10 | 10 | 120 | 40 | – | 2.5 | 2 | | | | | ● | 328304 | - | 150 |
| TRS2.5R10-11-120-2 | 11 | 10 | 120 | 40 | – | 2.5 | 2 | | | | | ● | 328306 | - | 150 |
| TRS2.5R12-12-120-2T | 12 | 12 | 120 | 40 | – | 2.5 | 2 | | | | | ● | 328308 | - | 150 |
| TRS2.5R12-12-120-3 | 12 | 12 | 120 | 40 | – | 2.5 | 3 | | | | | ● | 328310 | - | 150 |
| TRS2.5R12-13-120-2 | 13 | 12 | 120 | 40 | – | 2.5 | 2 | | | | | ● | 328312 | - | 150 |
| TRS2.5R12-13-120-3 | 13 | 12 | 120 | 40 | – | 2.5 | 3 | | | | | ● | 328314 | - | 150 |
| TRS2.5R16-16-150-4 | 16 | 16 | 150 | 40 | – | 2.5 | 4 | | | | | ● | 328316 | - | 160 |
| TRS2.5R16-16-200-4 | 16 | 16 | 200 | 40 | – | 2.5 | 4 | | | | | ● | 328318 | - | 200 |
| TRS2.5R16-17-150-4 | 17 | 16 | 150 | 40 | – | 2.5 | 4 | | | | | ● | 328320 | - | 160 |
| TRS2.5R16-17-200-4 | 17 | 16 | 200 | 40 | – | 2.5 | 4 | | | | | ● | 328322 | - | 200 |
| TRS2.5R20-20-150-4 | 20 | 20 | 150 | 40 | – | 2.5 | 4 | | | | | ● | 328324 | - | 170 |
| TRS2.5R20-20-200-4 | 20 | 20 | 200 | 40 | – | 2.5 | 4 | | | | | ● | 328326 | - | 220 |
| TRS2.5R20-21-150-4 | 21 | 20 | 150 | 40 | – | 2.5 | 4 | | | | | ● | 328328 | - | 170 |
| TRS2.5R20-21-200-4 | 21 | 20 | 200 | 40 | – | 2.5 | 4 | | | | | ● | 328330 | - | 220 |
| TRS3.5R10-10-120-1T | 10 | 10 | 120 | 40 | – | 3.5 | 1 | RDMW 0702 MO | M2.5×6 | — | T8 | ● | 328332 | - | 150 |
| TRS3.5R12-12-120-1T | 12 | 12 | 120 | 40 | – | 3.5 | 1 | | | | | ● | 328334 | - | 150 |
| TRS3.5R16-16-120-2T | 16 | 16 | 120 | 40 | – | 3.5 | 2 | | | | | ● | 328336 | - | 120 |
| TRS3.5R16-16-160-2T | 16 | 16 | 160 | 40 | – | 3.5 | 2 | | | | | ● | 328338 | - | 120 |
| TRS4R12-12-130-1T | 12 | 12 | 130 | 40 | – | 4 | 1 | RDMT 0802 MO | M3×7 | Y-4R | T8 | ● | 328340 | 67 | 100 |
| TRS4R12-13-130-1T | 13 | 12 | 130 | 40 | – | 4 | 1 | | | | | ● | 328342 | 67 | 100 |
| TRS4R15-16-150-2T | 16 | 15 | 150 | 40 | – | 4 | 2 | | | | | ● | 328344 | 83 | 110 |
| TRS4R15-16-200-2T | 16 | 15 | 200 | 40 | – | 4 | 2 | | | | | ● | 328346 | 110 | 140 |
| TRS4R16-16-150-2T | 16 | 16 | 150 | 50 | – | 4 | 2 | | | | | ● | 328348 | 83 | 110 |
| TRS4R16-16-200-2T | 16 | 16 | 200 | 60 | 100 | 4 | 2 | | | | | ● | 328350 | 110 | 140 |
| TRS4R16-17-150-2T | 17 | 16 | 150 | 50 | – | 4 | 2 | | | | | ● | 328352 | 83 | 110 |
| TRS4R16-17-200-2T | 17 | 16 | 200 | 60 | – | 4 | 2 | | | | | ● | 328354 | 110 | 140 |
| TRS4R19-20-150-2T | 20 | 19 | 150 | 40 | – | 4 | 2 | | | | | ● | 328356 | 100 | 130 |
| TRS4R19-20-200-2T | 20 | 19 | 200 | 40 | – | 4 | 2 | | | | | ● | 328358 | 117 | 145 |
| TRS4R20-20-150-2T | 20 | 20 | 150 | 50 | – | 4 | 2 | | | | | ● | 328360 | 100 | 130 |
| TRS4R20-20-200-2T | 20 | 20 | 200 | 60 | 100 | 4 | 2 | | | | | ● | 328362 | 117 | 145 |
| TRS4R25-20-250-2T | 20 | 25 | 250 | 60 | – | 4 | 2 | | | | | ● | 328364 | 167 | - |
| TRS4R20-21-150-2T | 21 | 20 | 150 | 50 | – | 4 | 2 | | | | | ● | 328366 | 100 | 130 |
| TRS4R20-21-200-2T | 21 | 20 | 200 | 60 | – | 4 | 2 | | | | | ● | 328368 | 117 | 145 |
| TRS5R19-20-150-2T | 20 | 19 | 150 | 40 | – | 5 | 2 | RDMT 10T3 MO | M3.5×10 M4×9 | Y-5R | T15 | ● | 328370 | 100 | - |
| TRS5R19-20-200-2T | 20 | 19 | 200 | 40 | – | 5 | 2 | | | | | ● | 328372 | 117 | - |
| TRS5R20-20-150-2T | 20 | 20 | 150 | 50 | – | 5 | 2 | | | | | ● | 328374 | 100 | 130 |
| TRS5R20-20-200-2T | 20 | 20 | 200 | 60 | 100 | 5 | 2 | | | | | ● | 328376 | 117 | 145 |
| TRS5R20-21-150-2T | 21 | 20 | 150 | 50 | – | 5 | 2 | | | | | ● | 328378 | 100 | - |
| TRS5R20-21-200-2T | 21 | 20 | 200 | 60 | – | 5 | 2 | | | | | ● | 328380 | 117 | - |
| TRS5R20-25-150-2T | 25 | 20 | 150 | 50 | – | 5 | 2 | | | | | ● | 328382 | 117 | 100 |
| TRS5R20-25-200-2T | 25 | 20 | 200 | 50 | – | 5 | 2 | | | | | ● | 328384 | 127 | - |
| TRS5R24-25-150-2T | 25 | 24 | 150 | 40 | – | 5 | 2 | | | | | ● | 328386 | 117 | 100 |
| TRS5R24-25-200-2T | 25 | 24 | 200 | 40 | – | 5 | 2 | | | | | ● | 328388 | 127 | - |
| TRS5R25-25-150-2T | 25 | 25 | 150 | 50 | – | 5 | 2 | | | | | ● | 328390 | 117 | 100 |
| TRS5R25-25-200-2T | 25 | 25 | 200 | 60 | 115 | 5 | 2 | | | | | ● | 328392 | 127 | 135 |
| TRS5R25-25-250-2T | 25 | 25 | 250 | 70 | – | 5 | 2 | | | | | ● | 328394 | 167 | 160 |
| TRS5R32-25-300-2T | 25 | 32 | 300 | 70 | – | 5 | 2 | | | | | ● | 328396 | 250 | - |
| TRS5R25-26-150-2T | 26 | 25 | 150 | 50 | – | 5 | 2 | | | | | ● | 328398 | 117 | 100 |
| TRS5R25-26-200-2T | 26 | 25 | 200 | 60 | – | 5 | 2 | | | | | ● | 328400 | 127 | 135 |
| TRS5R25-26-250-2T | 26 | 25 | 250 | 70 | – | 5 | 2 | | | | | ● | 328402 | 167 | - |
| TRS5R25-30-150-2T | 30 | 25 | 150 | 48 | – | 5 | 2 | | | | | ● | 328404 | 127 | 110 |
| TRS5R25-30-200-2T | 30 | 25 | 200 | 50 | – | 5 | 2 | | | | | ● | 328406 | 150 | 145 |
| TRS5R25-30-250-2T | 30 | 25 | 250 | 60 | – | 5 | 2 | | | | | ● | 328408 | 183 | 170 |
| TRS5R32-35-150-3T | 35 | 32 | 150 | 50 | – | 5 | 3 | | | | | ● | 328410 | 183 | 180 |
| TRS5R32-35-200-3T | 35 | 32 | 200 | 60 | – | 5 | 3 | | | | | ● | 328412 | 217 | 190 |
| TRS5R32-35-250-3T | 35 | 32 | 250 | 70 | – | 5 | 3 | | | | | ● | 328414 | 283 | 225 |
| TRS5R32-35-300-3T | 35 | 32 | 300 | 70 | – | 5 | 3 | | | | | ● | 328416 | 333 | - |
| TRS5R32-35-350-3T | 35 | 32 | 350 | 70 | – | 5 | 3 | | | | | ● | 328418 | 400 | - |
| TRS5R32-35-400-3T | 35 | 32 | 400 | 70 | – | 5 | 3 | | | | | ● | 328420 | 500 | - |
| TRS6R25-32-150-2T | 32 | 25 | 150 | 50 | – | 6 | 2 | RDMT 1204 MO | M4×10 | Y-6R | T15 | ● | 328422 | - | 165 |
| TRS6R25-32-200-2T | 32 | 25 | 200 | 50 | – | 6 | 2 | | | | | ● | 328424 | - | 175 |
| TRS6R25-32-250-2T | 32 | 25 | 250 | 60 | – | 6 | 2 | | | | | ● | 328426 | - | 190 |
| TRS6R32-32-150-2T | 32 | 32 | 150 | 50 | – | 6 | 2 | | | | | ● | 328428 | 167 | - |
| TRS6R32-32-200-2T | 32 | 32 | 200 | 50 | – | 6 | 2 | | | | | ● | 328430 | 217 | - |
| TRS6R32-32-250-2T | 32 | 32 | 250 | 60 | – | 6 | 2 | | | | | ● | 328432 | 267 | - |
| TRS6R32-32-300-2T | 32 | 32 | 300 | 60 | – | 6 | 2 | | | | | ● | 328434 | 333 | - |
| TRS6R32-40-150-3T | 40 | 32 | 150 | 50 | – | 6 | 3 | | | | | ● | 328436 | 233 | 250 |
| TRS6R32-40-200-3T | 40 | 32 | 200 | 50 | – | 6 | 3 | | | | | ● | 328438 | 283 | 260 |
| TRS6R32-40-250-3T | 40 | 32 | 250 | 60 | – | 6 | 3 | | | | | ● | 328440 | 317 | 300 |
| TRS6R32-40-300-3T | 40 | 32 | 300 | 60 | – | 6 | 3 | | | | | ● | 328442 | 417 | 340 |

## ■ TRS 圆鼻面铣刀盘

Round Nose Milling Cutter



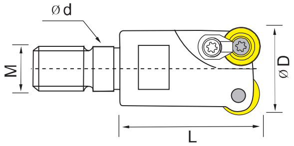
- 使用15° 正角刀片 ★ Using the 15° positive angle blade
- 刀片经济，适用性强 ★ Blade economy, the applicability of high
- 容屑空间大，排屑好 ★ Capacity chip a large space, good chip disposal
- 锥形设计，钢性高 ★ Cone design, steel high

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRS5R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 5 | RD□T 10T3 MO | Y-5R | M4×9 M3.5×10 | T15 | ● | 328500 | 167 | 200 |
| TRS5R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 5 | | | | | ● | 328502 | 200 | 225 |
| TRS5R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 5 | | | | | ● | 328504 | 307 | 350 |
| TRS5R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 5 | | | | | ● | 328506 | 483 | 540 |
| TRS5R50-25.4-4T | 50 | 25.4 | 50 | 10.4 | 6.3 | 5 | | | | | ● | 328508 | 167 | - |
| TRS5R63-25.4-4T | 63 | 25.4 | 50 | 10.4 | 6.3 | 5 | | | | | ● | 328510 | 200 | - |
| TRS6R50-22-4T | 50 | 22 | 50 | 10.4 | 6.3 | 6 | RD□T 1204 MO | Y-6R | M4×10 | T15 | ● | 328512 | 307 | 200 |
| TRS6R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 6 | | | | | ● | 328514 | 483 | 225 |
| TRS6R80-27-6T | 80 | 27 | 50 | 12.4 | 7 | 6 | | | | | ● | 328516 | 1067 | 350 |
| TRS6R100-32-6T | 100 | 32 | 50 | 14.4 | 8 | 6 | | | | | ● | 328518 | 1333 | 540 |
| TRS6R125-40-7T | 125 | 40 | 50 | 14.4 | 14 | 6 | | | | | ● | 328520 | 167 | - |
| TRS6R160-40-8T | 160 | 40 | 50 | 14.4 | 14 | 6 | | | | | ● | 328522 | 200 | - |
| TRS6R50-25.4-4T | 50 | 25.4 | 50 | 10.4 | 6.3 | 6 | | | | | ● | 328524 | 167 | - |
| TRS6R63-25.4-4T | 63 | 25.4 | 50 | 10.4 | 6.3 | 6 | | | | | ● | 328526 | 200 | - |
| TRS8R63-22-4T | 63 | 22 | 50 | 10.4 | 6.3 | 8 | RD□T 1606 MO | Y-8R | M5×11.5 | T20 | ● | 328528 | 233 | 250 |
| TRS8R80-27-5T | 80 | 27 | 50 | 12.4 | 7 | 8 | | | | | ● | 328530 | 333 | 400 |
| TRS8R100-32-6T | 100 | 22 | 50 | 14.4 | 8 | 8 | | | | | ● | 328532 | 500 | 600 |

## ■ TRSM 圆刃锁牙式铣刀头

Corner Rounding End Mills(trsm)




切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RD0501R092M04 | 9 | 15 | 4.5 | M4 | 2 | RD..0501.. | - | MS2004 | T6 | ○ | 328600 | 320 |
| RD0501R102M05 | 10 | 16 | 5.5 | M5 | 2 | | | | | ○ | 328602 | 300 |
| RD0501R112M05 | 11 | 18 | 5.5 | M5 | 2 | | | | | ○ | 328604 | 300 |
| RD0501R122M06 | 12 | 18 | 6.5 | M6 | 2 | | | MS2005 | | ○ | 328606 | 300 |
| RD0501R123M06 | 12 | 18 | 6.5 | M6 | 3 | | | | | ○ | 328608 | 300 |
| RD0501R132M06 | 13 | 18 | 6.5 | M6 | 2 | | | | | ○ | 328610 | 300 |
| RD0501R133M06 | 13 | 18 | 6.5 | M6 | 3 | | | | | ○ | 328612 | 300 |
| RD0501R164M08 | 16 | 23 | 8.5 | M8 | 4 | | | | | ○ | 328614 | 350 |
| RD0501R174M08 | 17 | 23 | 8.5 | M8 | 4 | | | | | ○ | 328616 | 350 |
| RD07T1R122M08 | 12 | 23 | 8.5 | M8 | 2 | RD..07T1.. | - | MS2205 | T7 | ○ | 328618 | 380 |
| RD0702R162M08 | 16 | 23 | 8.5 | M8 | 2 | RD..0702.. | - | MS2506 | T8 | ○ | 328620 | 350 |
| RD0702R172M08 | 17 | 23 | 8.5 | M8 | 2 | | | | | ○ | 328622 | 350 |
| RD0702R173M08 | 17 | 23 | 8.5 | M8 | 3 | | | | | ○ | 328624 | 350 |
| RD0702R203M10 | 20 | 30 | 10.5 | M10 | 3 | | | | | ○ | 328626 | 350 |
| RD0702R213M10 | 21 | 30 | 10.5 | M10 | 3 | | | | | ○ | 328628 | 350 |
| RD0702R254M12 | 25 | 35 | 12.5 | M12 | 4 | | | | | ○ | 328630 | 400 |
| RD0702R255M12 | 25 | 35 | 12.5 | M12 | 5 | | | | | ○ | 328632 | 400 |
| RD0702R264M12 | 26 | 35 | 12.5 | M12 | 4 | | | | | ○ | 328634 | 400 |
| RD0702R265M12 | 26 | 35 | 12.5 | M12 | 5 | | | | | ○ | 328636 | 400 |
| RD0702R355M16 | 35 | 43 | 12.5 | M16 | 5 | | | | | ○ | 328638 | 450 |
| RD0702R356M16 | 35 | 43 | 17 | M16 | 6 | | | | | ○ | 328640 | 450 |
| RD0802R162M08 | 16 | 23 | 17 | M8 | 2 | RDMT0802MO | Y-4R | MS3007 | T8 | ● | 328642 | 150 |
| RD0802R172M08 | 17 | 23 | 8.5 | M8 | 2 | | | | | ○ | 328644 | 300 |
| RD0802R202M10 | 20 | 30 | 8.5 | M10 | 2 | | | | | ● | 328646 | 150 |
| RD0802R212M10 | 21 | 30 | 10.5 | M10 | 2 | | | | | ○ | 328648 | 300 |
| RD1003R202M10 | 20 | 30 | 10.5 | M10 | 2 | RD..1003.. | Y-5R | MS3507 | T15 | ○ | 328650 | 300 |
| RD1003R212M10 | 21 | 30 | 10.5 | M10 | 2 | | | | | ○ | 328652 | 300 |
| RD1003R253M12 | 25 | 35 | 10.5 | M12 | 3 | | | | | ○ | 328654 | 300 |
| RD1003R263M12 | 26 | 35 | 12.5 | M12 | 3 | | | | | ○ | 328656 | 300 |
| RD1003R353M16 | 35 | 43 | 12.5 | M16 | 3 | | | | | ○ | 328658 | 320 |
| RD1003R354M16 | 35 | 43 | 17 | M16 | 4 | | | | | ○ | 328660 | 320 |
| RD10T3R252M12 | 25 | 35 | 12.5 | M12 | 2 | RDMT10T3MO | Y-5R | M3.5X10 M4X9 | T15 | ● | 328662 | 160 |
| RD10T3R262M12 | 26 | 35 | 12.5 | M12 | 2 | | | | | ○ | 328664 | 300 |
| RD10T3R302M16 | 30 | 40 | 17 | M16 | 2 | | | | | ● | 328666 | 160 |
| RD10T3R323M16 | 32 | 43 | 17 | M16 | 3 | | | | | ○ | 328668 | 320 |
| RD10T3R353M16 | 35 | 43 | 17 | M16 | 3 | | | | | ● | 328670 | 200 |

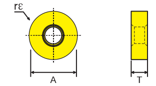


## RNGJ 圆形 有孔双面 铣削刀片

刀片(Insert):
RNGJ1204M0ELD ZP152
Ap:0.1-3.0 (mm)
Fz:0.07-1.5 (mm/rev)
Vc:100-300 (m/min)

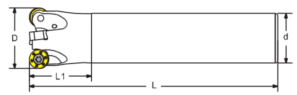
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✱ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✱ | ✱ | ✱ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✱ | ✱ | ✱ | ◐ | ○ |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✱ | ✱ | ✱ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◐ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✱ | ✱ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✱ | ✱ | ◐ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | T | 配套刀柄 Matching Toolholder | |
|---|---|---|---|---|---|---|---|---|
| 平面铣削加工 Surface milling | |  | RNGJ 1204M0ELD 1204M0SGD 1204M0SHD | 6 | 12 | 4.75 | 刀柄: (Toolholder) D36 | ●●●● ●●●● ●●●● |

## ■ KDR圆鼻铣刀杆

KDR Round nose cutter bar



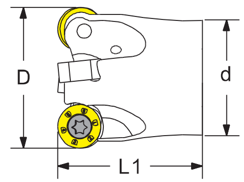

● 刀粒可两面使用，12次转位更经济!
★ The Grain Can Be Used On Both Sides, 12 For More Economic!

切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 总长L Long | 直径D Diameter | 有效长L1 Effective length | 柄径 d Shank diameter | 刃数 Blade number | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KDR32Z02A32RN12L200 | 200 | 32 | 40 | 32 | 3 | RNPJ1204 | M4×9 | T15 | ● | 329200 | 450 |
| KDR32Z03A32RN12L250 | 250 | 32 | 40 | 32 | 2 | | | | ● | 329202 | 500 |
| KDR40Z04A32RN12L200 | 200 | 40 | -- | 32 | 4 | | | | ● | 329204 | 500 |
| KDR40Z04A32RN12L250 | 250 | 40 | -- | 32 | 4 | | | | ● | 329206 | 600 |

## ■ KDR 圆鼻立铣刀盘

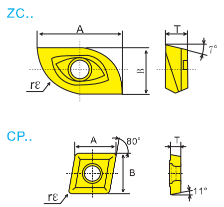
KDR Cylindrical Milling Cutter




切削参数 (Cutting Parameters): R22-R24
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 总长 Long | 直径 Diameter | 内孔 Inner hole | 端面直径 Face diameter | 刃数 Blade number | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| KDR40Z04S16RN12 | 40 | 40 | 16 | 38 | 4 | RNPJ1204 | ● | 329300 | 600 |
| KDR50Z04S22RN12 | 40 | 50 | 22 | 42 | 4 | | ● | 329302 | 650 |
| KDR50Z05S22RN12 | 40 | 50 | 22 | 42 | 5 | | ● | 329304 | 700 |
| KDR63Z05S22RN12 | 50 | 63 | 22 | 49 | 5 | | ● | 329306 | 750 |
| KDR63Z07S22RN12 | 50 | 63 | 22 | 49 | 7 | | ● | 329308 | 800 |
| KDR80Z06S27RN12 | 50 | 80 | 27 | 60 | 6 | | ● | 329310 | 900 |
| KDR80Z08S27RN12 | 50 | 80 | 27 | 60 | 8 | | ● | 329312 | 1100 |
| KDR100Z07S32RN12 | 50 | 100 | 32 | 78 | 7 | | ● | 329314 | 1200 |
| KDR100Z09S32RN12 | 50 | 100 | 32 | 78 | 9 | | ● | 329316 | 1400 |

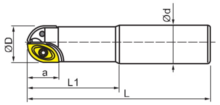
## ZCET ZCEW 球形粗铣 双面有孔 仿形加工

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | | | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 球头仿形粗铣加工 Rough milling of ball head profiling | |  | ZCET | 080CE | 主刃 | 8 | 15.6 | 7.9 | 3.97 | 刀柄：(Toolholder) D37 | | | | | | | • | • | • | • | |
| | | | ZCET | 100CE | | 10 | 18.3 | 10 | 4.74 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 100CE | | 10 | 18.3 | 10 | 4.74 | | | | | | | | • | • | • | • | |
| | | | ZCET | 125CE | | 12.5 | 23.1 | 12.3 | 6.1 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 125CE | | 12.5 | 23.1 | 12.3 | 6.1 | | | | | | | | • | • | • | • | |
| | | | ZCET | 150CE | | 15 | 28.3 | 14.9 | 7.59 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 150CE | | 15 | 28.3 | 14.9 | 7.59 | | | | | | | | • | • | • | • | |
| | | | ZCET | 160CE | | 16 | 28.8 | 15.4 | 7.45 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 200CE | | 20 | 35.4 | 20.1 | 8.0 | | | | | | | | • | • | • | • | |
| | | | ZCET | 080SE | 副刃 | 8 | 16.8 | 5.9 | 3.43 | | | | | | | | • | • | • | • | |
| | | | ZCET | 100SE | | 10 | 16.7 | 8.1 | 4.24 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 100SE | | 10 | 16.7 | 8.1 | 4.24 | | | | | | | | • | • | • | • | |
| | | | ZCET | 125SE | | 12.5 | 20.8 | 9.3 | 5.4 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 125SE | | 12.5 | 20.8 | 9.3 | 5.4 | | | | | | | | • | • | • | • | |
| | | | ZCET | 150SE | | 15 | 25.7 | 11.8 | 7.09 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 150SE | | 15 | 25.7 | 11.8 | 7.09 | | | | | | | | • | • | • | • | |
| | | | ZCET | 160SE | | 16 | 26.3 | 12.4 | 6.96 | | | | | | | | • | • | • | • | |
| | | | ZCEW | 200SE | | 20 | 31.9 | 15.7 | 7.0 | | | | | | | | • | • | • | • | |
| | | | CPMT | 080204 | 外周刃 | 0.4 | 7.94 | 7.94 | 2.38 | | | | | | | | • | • | • | • | |
| | | | CPMT | 090308 | | 0.8 | 9.525 | 9.525 | 3.18 | | | | | | | | • | • | • | • | |

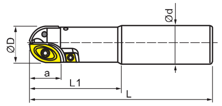


## BCF/BCFL 球形立铣刀

Spherical End Mill




BCF 型




BCFL 型

BCF为两刃型
BCFL为四刃型

BCF for the edged-type
BCFL for four-edge-type

切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

- 采用精密级刀片可得到高精度加工表面
- 刀片表面凸面设计，不仅刀刃锋利并可降低切削振动的噪音

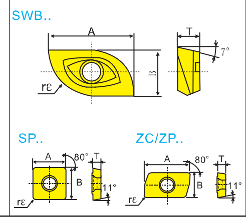
★ Use of available high-precision machining precision blade surface.
★ Blade surface of convex design, and reduces not only the sharp cutting edge Vibration noise.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | a | 刃数 No. of flutes | 刀片 Insert 亲刃(1刃) | 子刃(1刃) | 外周刃(2刃) | 螺钉 Screw | 扳手 Wrench | Order Number | BCF 型 Price (RMB) | BCF型 Price (RMB) | BCFL型 Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C20-10R-150 | 20 | 20 | 150 | 70 | 30 | 2/4 | ZCEW\T 100CE | ZCEW\T 100SE | CPMT080204 | M3.5×9.5 M2.5×6 | T10 T8 | 329400 | 330 | 510 | 580 |
| C20-10R-200 | 20 | 20 | 200 | 50 | 30 | 2 | | | | | | 329402 | 430 | - | - |
| C20-10R-250 | 20 | 20 | 250 | 50 | 30 | 2 | | | | | | 329404 | 530 | - | - |
| C25-10R-150 | 20 | 25 | 150 | 70 | 30 | 2/4 | | | | | | 329406 | - | 510 | 650 |
| C25-10R-200 | 20 | 25 | 200 | 80 | 30 | 2/4 | | | | | | 329408 | - | 560 | 650 |
| C25-10R-250 | 20 | 25 | 250 | 100 | 30 | 2/4 | | | | | | 329410 | - | 790 | 880 |
| C32-10R-300 | 20 | 32 | 300 | 150 | 30 | 2/4 | | | | | | 329412 | - | 900 | 980 |
| C20-1.25R-150 | 25 | 25 | 150 | 70 | 39 | 2/4 | ZCEW\T 125CE | ZCEW\T 125SE | CPMT090308 | M4×9 | T15 | 329414 | - | 620 | 700 |
| C25-1.25R-150 | 25 | 25 | 150 | 100 | 39 | 2/4 | | | | | | 329416 | 400 | 790 | 880 |
| C25-1.25R-200 | 25 | 32 | 200 | 100 | 39 | 2/4 | | | | | | 329418 | 500 | 790 | 880 |
| C25-1.25R-250 | 25 | 32 | 250 | 150 | 39 | 2/4 | | | | | | 329420 | 600 | 900 | 980 |
| C32-1.25R-300 | 25 | 32 | 300 | 150 | 39 | 2/4 | | | | | | 329422 | - | 1020 | 1100 |
| C32-15R-160 | 30 | 32 | 160 | 70 | 43 | 2/4 | ZCEW\T 150CE | ZCEW\T 150SE | CPMT090308 | M5×12 M4×9 | T20 T15 | 329424 | 460 | 730 | 800 |
| C32-15R-200 | 30 | 32 | 200 | 100 | 43 | 2/4 | | | | | | 329426 | 560 | 850 | 950 |
| C32-15R-250 | 30 | 32 | 250 | 150 | 43 | 2/4 | | | | | | 329428 | 700 | 960 | 1050 |
| C32-15R-300 | 30 | 32 | 300 | 150 | 43 | 2/4 | | | | | | 329430 | 830 | 1100 | 1150 |
| C32-15R-350 | 30 | 32 | 350 | 200 | 43 | 2/4 | | | | | | 329432 | - | 1300 | 1400 |
| C32-16R-160 | 32 | 32 | 160 | 70 | 43 | 2/4 | ZCEW 160CE | ZCEW 160SE | CPMT090308 | M5×12 M4×9 | T30 T15 | 329434 | - | 740 | 800 |
| C32-16R-200 | 32 | 32 | 200 | 100 | 43 | 2/4 | | | | | | 329436 | - | 850 | 950 |
| C32-16R-250 | 32 | 32 | 250 | 150 | 43 | 2/4 | | | | | | 329438 | - | 960 | 1050 |
| C32-16R-300 | 32 | 32 | 300 | 150 | 43 | 2/4 | | | | | | 329440 | - | 1100 | 1150 |
| C32-16R-350 | 32 | 32 | 350 | 200 | 43 | 2/4 | | | | | | 329442 | - | 1300 | 1400 |
| C42-20R-200 | 40 | 42 | 200 | 100 | 50 | 2/4 | ZCEW 200CE | ZCEW 200SE | CPMT090308 | M6×18 M4×9 | T30 T15 | 329444 | - | 1130 | 1250 |
| C42-20R-250 | 40 | 42 | 250 | 150 | 50 | 2/4 | | | | | | 329446 | - | 1240 | 1350 |
| C42-20R-300 | 40 | 42 | 300 | 150 | 50 | 2/4 | | | | | | 329448 | - | 1350 | 1450 |
| C42-20R-350 | 40 | 42 | 350 | 200 | 50 | 2/4 | | | | | | 329450 | - | 1470 | 1560 |
| MT5-20R-200 | 40 | MT5 | 200 | 100 | 50 | 2/4 | | | | | | 329452 | - | 1240 | 1350 |
| MT5-20R-250 | 40 | MT5 | 250 | 150 | 50 | 2/4 | | | | | | 329454 | - | 1350 | 1450 |
| C50.8-25R-200 | 50 | 50.8 | 200 | 100 | 50 | 2/4 | ZCEW 250CE | ZCEW 250SE | CPMT090308 | M6×18 M4×9 | T30 T15 | 329456 | - | 1300 | 1400 |
| C50.8-25R-250 | 50 | 50.8 | 250 | 150 | 50 | 2/4 | | | | | | 329458 | - | 1410 | 1500 |
| C50.8-25R-300 | 50 | 50.8 | 300 | 150 | 50 | 2/4 | | | | | | 329460 | - | 1520 | 1600 |
| C50.8-25R-350 | 50 | 50.8 | 350 | 200 | 50 | 2/4 | | | | | | 329462 | - | 1700 | 1800 |
| C50.8-25R-400 | 50 | 50.8 | 400 | 200 | 50 | 2/4 | | | | | | 329464 | - | 2030 | 2150 |
| MT5-25R-200 | 50 | MT5 | 200 | 100 | 50 | 2/4 | | | | | | 329466 | - | 1520 | 1600 |
| MT5-25R-250 | 50 | MT5 | 250 | 150 | 50 | 2/4 | | | | | | 329468 | - | 1700 | 1800 |

## SWB 球形粗铣 双面有孔 仿形加工

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✤ 不稳定切削 Unstable Cutting

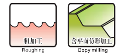
| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✤ | ✤ | ✤ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✤ | ✤ | ✤ | ◐ | ● |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✤ | ✤ | ✤ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◐ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✤ | ✤ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✤ | ✤ | ◐ | ● |

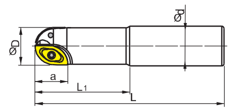
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | | | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 球头仿形粗铣加工 Rough milling of ball head profiling | |  | SWB | 216HM | 主刃 | 8 | 15 | 7.9 | 3 | 刀柄：(Toolholder) D38 | | | | | | | | | • | • | |
| | | | | 220HM | | 10 | 15.8 | 9.9 | 3.65 | | | | | | | | | | • | • | |
| | | | | 225HM | | 12.5 | 18.5 | 12.4 | 3.8 | | | | | | | | | | • | • | |
| | | | | 230HM | | 15 | 22.2 | 14.8 | 5.35 | | | | | | | | | | • | • | |
| | | | | 232HM | | 16 | 26 | 16 | 5.35 | | | | | | | | | | • | • | |
| | | | | 240HM | | 20 | 30.4 | 20.8 | 6.85 | | | | | | | | | | • | • | |
| | | | | 250HM | | 25 | 34.4 | 25.7 | 7 | | | | | | | | | | • | • | |
| | | | | 216HS | 副刃 | 8 | 16.1 | 6.6 | 3 | | | | | | | | | | • | • | |
| | | | | 220HS | | 10 | 20 | 8.2 | 3.65 | | | | | | | | | | • | • | |
| | | | | 225HS | | 12.5 | 23.8 | 10.5 | 3.8 | | | | | | | | | | • | • | |
| | | | | 230HS | | 15 | 27.5 | 12.3 | 5.35 | | | | | | | | | | • | • | |
| | | | | 232HS | | 16 | 31.7 | 13.9 | 5.35 | | | | | | | | | | • | • | |
| | | | | 240HS | | 20 | 37.5 | 16.3 | 6.85 | | | | | | | | | | • | • | |
| | | | | 250HS | | 25 | 42.6 | 20.8 | 7 | | | | | | | | | | • | • | |
| | | | SPGA | 090304 | 外周刃 | 0.4 | 9.525 | 9.525 | 3.18 | | | | | | | | | | • | • | |
| | | | SPMA | 090304 | | 0.4 | 9.525 | 9.525 | 3.18 | | | | | | | | | | • | • | |
| | | | IM-SP | 32GS | | 0.8 | 9.525 | 9.525 | 3.18 | | | | | | | | | | • | • | |
| | | | ZCMT | 100308R | | 0.8 | 10.4 | 6.35 | 3.4 | | | | | | | | | | • | • | |
| | | | ZPMT | 100308ZER | | 0.8 | 10 | 6 | 3.2 | | | | | | | | | | • | • | |

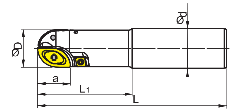


## SWB 球形立铣刀

Spherical End Mill






切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04

- 采用精密级刀片可得到高精度加工表面
- 刀片表面凸面设计，不仅刀刃锋利并可降低切削振动的噪音

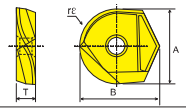
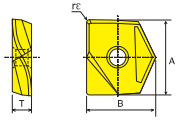
★ Use of available high-precision machining precision blade surface.
★ Blade surface of convex design, and reduces not only the sharp cutting edge Vibration noise.

| 型号 Cat. No | 总长 L Long | 直径 D Diameter | R | 柄径 d Shank diameter | 有效长 L1 Effective Length | 主刃刀片 The main blade | 副刃刀片 Side blade | 外周刃刀片 Peripheral blade | 主外周刃长度 Peripheral Length | 主副刃螺丝 Main screw | 外周刃螺丝 Outside screw | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SWBML2535S25 | 220 | 25 | 12.5 | 25 | 70 | SWB225HM | SWB225HS | ZCMT100308R | 35 | DSW-4085 | ESW-206 | 329600 | 800 |
| SWBM2535S32 | 200 | 25 | 12.5 | 32 | 100 | | | | | | | 329602 | 900 |
| SWBL2535S32 | 250 | 25 | 12.5 | 32 | 110 | | | | | | | 329604 | 1000 |
| SWBS3040S32 | 200 | 30 | 15 | 32 | 120 | SWB230HM | SWB230HS | IM-SP32GS | 41 | DSW-509 | CSW-407 | 329606 | 1100 |
| SWBM3040S32 | 250 | 30 | 15 | 32 | 150 | | | | | | | 329608 | 1250 |
| SWBL3040S32 | 300 | 30 | 15 | 32 | 200 | | | | | | | 329610 | 1450 |
| SWBE3040S32 | 350 | 30 | 15 | 32 | 200 | | | | | | | 329612 | 1650 |
| SWB30080MT4 | | 30 | 15 | MT4 | 80 | | | | | | | 329614 | 1300 |
| SWB30120MT4 | | 30 | 15 | MT4 | 120 | | | | | | | 329616 | 1500 |
| SWBS4050S42 | 200 | 40 | 20 | 42 | 120 | SWB240HMN | SWB240HSN | SPGA090304 SPMA090304 | 50 | TSW-614H | ESW-406 | 329618 | 1350 |
| SWBM4050S42 | 250 | 40 | 20 | 42 | 150 | | | | | | | 329620 | 1500 |
| SWBL4050S42 | 300 | 40 | 20 | 42 | 200 | | | | | | | 329622 | 1700 |
| SWBE4050S42 | 350 | 40 | 20 | 42 | 200 | | | | | | | 329624 | 1900 |
| SWB40090MT5 | | 40 | 20 | MT4 | 90 | | | | | | | 329626 | 1600 |
| SWBS5080C508 | 200 | 50 | 25 | 50.8 | 120 | SWB250HMNL | SWB250HSNL | IM-SP43GS | 80 | HSW-614H | CSW-510 | 329628 | 1750 |
| SWBM5080C508 | 250 | 50 | 25 | 50.8 | 170 | | | | | | | 329630 | 2100 |
| SWBL5080C508 | 300 | 50 | 25 | 50.8 | 220 | | | | | | | 329632 | 2500 |
| SWB50100MT5 | | 50 | 25 | MT5 | 100 | | | | | | | 329634 | 2300 |
| SWB50120MT5 | | 50 | 25 | MT5 | 120 | | | | | | | 329636 | 2500 |
| SWB50150MT5 | | 50 | 25 | MT5 | 150 | | | | | | | 329638 | 2700 |
| SWB50170MT5 | | 50 | 25 | MT5 | 170 | | | | | | | 329640 | 3000 |

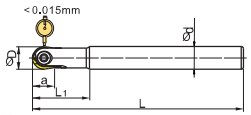
# ZPFG ZCFW 球形精铣 双面有孔 仿形加工

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

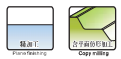
| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 球头仿形精铣加工 Ball Nose Profile Finishing | |  | ZPFG 080 | 4 | 8 | 9.7 | 2.1 | 刀柄: (Toolholder) D39 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 100 | 5 | 10 | 12.1 | 2.7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 120 | 6 | 12 | 14.6 | 3.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160 | 8 | 16 | 16.6 | 4.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200 | 10 | 20 | 20.3 | 5.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250 | 12.5 | 25 | 24.1 | 6.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 300 | 15 | 30 | 29.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 320 | 16 | 32 | 30.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 直角台肩精铣加工 Right Angle Shoulder Finishing | |  | ZCFW 080-R0.3 | 0.3 | 8 | 9.7 | 2.1 | 刀柄: (Toolholder) D39 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 100-R0.3 | 0.3 | 10 | 12.1 | 2.7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 100-R0.5 | 0.5 | 10 | 12.1 | 2.7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 100-R1.0 | 1.0 | 10 | 12.1 | 2.7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 120-R0.3 | 0.3 | 12 | 14.6 | 3.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 120-R0.5 | 0.5 | 12 | 14.6 | 3.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 120-R1.0 | 1.0 | 12 | 14.6 | 3.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160-R0.3 | 0.3 | 16 | 16.6 | 4.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160-R0.5 | 0.5 | 16 | 16.6 | 4.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160-R1.0 | 1.0 | 16 | 16.6 | 4.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160-R1.5 | 1.5 | 16 | 16.6 | 4.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160-R2.0 | 2.0 | 16 | 16.6 | 4.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200-R0.3 | 0.3 | 20 | 19.9 | 5.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200-R0.5 | 0.5 | 20 | 19.9 | 5.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200-R1.0 | 1.0 | 20 | 19.9 | 5.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200-R1.5 | 1.5 | 20 | 19.9 | 5.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200-R2.0 | 2.0 | 20 | 19.9 | 5.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250-R0.3 | 0.3 | 25 | 22.6 | 6.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250-R0.5 | 0.5 | 25 | 22.6 | 6.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250-R1.0 | 1.0 | 25 | 22.6 | 6.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250-R1.5 | 1.5 | 25 | 22.6 | 6.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250-R2.0 | 2.0 | 25 | 22.6 | 6.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 300-R0.3 | 0.3 | 30 | 27.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 300-R0.5 | 0.5 | 30 | 27.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 300-R1.0 | 1.0 | 30 | 27.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 320-R0.3 | 0.3 | 32 | 28.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 320-R0.5 | 0.5 | 32 | 28.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 320-R1.0 | 1.0 | 32 | 28.2 | 7.2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

## ■ ABPF 球形立铣刀 Spherical End Mill




切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04




- 刀片安装面 "V" 型设计，使安装更加稳固。
- R部刀形螺旋设计，切削轻快、平滑，加工面粗糙度有保证。
- 刃口经过特殊处理，有优异的抗崩损性。

★ The blade mounting surface "V" type design, make install more solid.
★ R spiral blade design, fast, smooth cutting, machining surface roughness has a guarantee.
★ Blade through special processing, have excellent resistance to crash damage.

ABPF-R

ABPF-S

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ABPF4R10-110 | R4 | 10 | 110 | 36 | 5 | ZPFG80(-G)/ZDFG80-W | ZPFG4R | T8 | ● | 329700 | 900 |
| ABPF5R10-160 | R5 | 10 | 160 | 40 | 7 | ZPFG100(-G)/ZDFG100-W | ZPFG5R | T10 | ● | 329702 | 950 |
| ABPF5R12-160 | R5 | 12 | 160 | 50 | 7 | | | | ● | 329704 | 950 |
| ABPF6R12-160 | R6 | 12 | 160 | 45 | 8 | ZPFG120(-G)/ZDFG120-W | ZPFG6R | T20 | ● | 329706 | 950 |
| ABPF8R16-200 | R8 | 16 | 200 | 80 | 10 | ZPFG160(-G)/ZDFG160-W | ZPFG8R | T20 | ● | 329708 | 1000 |
| ABPF10R20-200 | R10 | 20 | 200 | 65 | 12.5 | ZPFG200(-G)/ZDFG200-W | ZPFG10R | T25 | ● | 329710 | 1100 |
| ABPF12.5R25-200 | R12.5 | 25 | 200 | 80 | 15 | ZPFG250(-G)/ZDFG250-W | ZPFG12.5R | T20 | ● | 329712 | 1100 |
| ABPF15R30-150 | R15 | 30 | 150 | 80 | 20 | ZPFG300(-G)/ZDFG300-W | ZPFG15R | T30 | ● | 329714 | 1200 |
| ABPF15R30-200 | R15 | 30 | 200 | 100 | 20 | | | | ● | 329716 | 1300 |
| ABPF-R5-M6 | R5 | M6 | 43 | 26 | - | ZPFG100 | ZPFG5R | T20 | ● | 329720 | 650 |
| ABPF-R6-M6 | R6 | M6 | 43 | 26 | - | ZPFG120 | ZPFG6R | T20 | ● | 329722 | 650 |
| ABPF-R8-M8 | R8 | M8 | 43 | 26 | - | ZPFG160 | ZPFG8R | T20 | ● | 329724 | 650 |
| ABPF-R10-M10 | R10 | M10 | 49 | 30 | - | ZPFG200 | ZPFG10R | T25 | ● | 329726 | 650 |
| ABPF-R12.5-M12 | R12.5 | M12 | 55 | 33 | - | ZPFG250 | ZPFG12.5R | T20 | ● | 329728 | 800 |
| ABPF-R15-M16 | R15 | M16 | 65 | 42 | - | ZPFG300 | ZPFG15R | T30 | ● | 329730 | 800 |
| ARPF-S16-M8 | 16 | M8 | 43 | 25 | - | ZCFW160 | ZPFG8R | T20 | ● | 329732 | 650 |
| ARPF-S20-M10 | 20 | M10 | 48 | 29 | - | ZCFW200 | ZPFG10R | T25 | ● | 329734 | 650 |
| ARPF-S25-M12 | 25 | M12 | 55 | 33 | - | ZCFW250 | ZPFG12.5R | T20 | ● | 329736 | 800 |
| ARPF-S30-M16 | 30 | M16 | 46 | 41 | - | ZCFW300 | ZPFG15R | T30 | ● | 329738 | 800 |

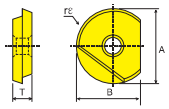




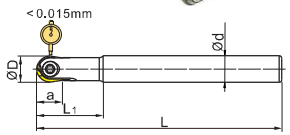
# BNM 球形精铣 双面有孔 仿形加工

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

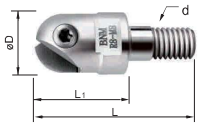
| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 球头仿形精铣加工 Ball Nose Profile Finishing | |  | BNM 060 | 3 | 6 | 5 | 2 | 刀柄: (Toolholder) D40 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 070 | 3.5 | 7 | 5.5 | 2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 080 | 4 | 8 | 7 | 2.4 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 100 | 5 | 10 | 8.5 | 2.6 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 110 | 5.5 | 11 | 9 | 2.6 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 120 | 6 | 12 | 10 | 3 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 160 | 8 | 16 | 12 | 4 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 200 | 10 | 20 | 15 | 5 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 250 | 12.5 | 25 | 18.5 | 6 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 300 | 15 | 30 | 22.5 | 7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 320 | 16 | 32 | 23.5 | 7 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

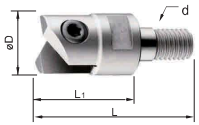
## ■ BNM 球形立铣刀 Spherical End Mill




切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04




BNM-R



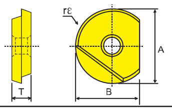

BNM-S

| 型号 Cat. No | 总长 L | 直径 D | R | 柄径 d Shank diameter | 有效长 Effective length L1 | 配用刀片 Equipped Inserts | 夹紧螺丝 Clamp Screw | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BNML-100075T-S12 | 132 | 10 | R5 | 12 | 75 | BNM-100 | FSW-3007H | ● | 329800 | - | 240 |
| BNML-120085T-S16 | 145 | 12 | R6 | 16 | 85 | BNM-120 | FSW-3509 | ● | 329802 | - | 260 |
| BNML C12-6R-130-1T | 130 | 12 | R6 | 12 | 40 | | | ● | 329804 | 135 | - |
| BNML C12-6R-150-1T | 150 | 12 | R6 | 12 | 50 | | | ● | 329806 | 135 | - |
| BNML-160100T-S20 | 166 | 16 | R8 | 20 | 100 | BNM-160 | FSW-4013 | ● | 329808 | - | 300 |
| BNML C16-8R-150-1T | 150 | 16 | R8 | 16 | 50 | | | ● | 329810 | 170 | - |
| BNML C16-8R-200-1T | 200 | 16 | R8 | 16 | 60 | | | ● | 329812 | 200 | - |
| BNML-200115T-S25 | 191 | 20 | R10 | 25 | 115 | BNM-200 | FSW-5016 | ● | 329814 | - | 485 |
| BNML C20-10R-150-1T | 150 | 20 | R10 | 20 | 50 | | | ● | 329816 | 170 | - |
| BNML C20-10R-200-1T | 200 | 20 | R10 | 20 | 60 | | | ● | 329818 | 200 | - |
| BNML C25-10R-250-1T | 250 | 20 | R10 | 25 | 60 | | | ● | 329820 | 235 | - |
| BNML C25-12.5R-150-1T | 150 | 25 | R12.5 | 12.5 | 45 | BNM-250 | FSW-6020 | ● | 329822 | 200 | - |
| BNML C25-12.5R-200-1T | 200 | 25 | R12.5 | 12.5 | 55 | | | ● | 329824 | 235 | - |
| BNML C25-12.5R-250-1T | 250 | 25 | R12.5 | 12.5 | 60 | | | ● | 329826 | 270 | - |
| BNMM-300106T-S32 | 186 | 30 | R15 | 32 | 106 | BNM-300 | FSW-8025 | ● | 329828 | - | 1000 |
| BNML-300160T-S32 | 240 | 30 | R15 | 32 | 160 | | | ● | 329830 | - | 1100 |
| BNM-R5-M6 | 40 | 10 | R5 | M6 | 22 | BNM-100 | FSW-3007H | ● | 329850 | - | 650 |
| BNM-R6-M6 | 40 | 12 | R6 | M6 | 22 | BNM-120 | FSW-3509 | ● | 329852 | - | 650 |
| BNM-R8-M8 | 40 | 16 | R8 | M8 | 22 | BNM-160 | FSW-4013 | ● | 329854 | - | 650 |
| BNM-R10-M10 | 50 | 20 | R10 | M10 | 28 | BNM-200 | FSW-5016 | ● | 329856 | - | 650 |
| BNM-R12.5-M12 | 60 | 25 | R12.5 | M12 | 33 | BNM-250 | FSW-6020 | ● | 329858 | - | 800 |
| BNM-R15-M16 | 65 | 30 | R15 | M16 | 41 | BNM-300 | FSW-8025 | ● | 329860 | - | 800 |
| BNM-S100-M5 | 40 | 10 | - | M5 | 20 | BNM-S100 | FSW-3007H | ● | 329870 | - | 650 |
| BNM-S120-M6 | 40 | 12 | - | M6 | 22 | BNM-S120 | FSW-3509 | ● | 329872 | - | 650 |
| BNM-S160-M8 | 40 | 16 | - | M8 | 28 | BNM-S160 | FSW-4013 | ● | 329874 | - | 800 |
| BNM-S200-M10 | 50 | 20 | - | M10 | 30 | BNM-S200 | FSW-5016 | ● | 329876 | - | 800 |

# P3200 球形精铣 双面有孔 仿形加工

切削形态: Cutting Environment  ● 稳定切削 Stable Cutting  ◐ 一般切削 General Cutting  ✖ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✖ | ✖ | ✖ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✖ | ✖ | ✖ | ◐ | ● |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✖ | ✖ | ✖ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◐ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✖ | ✖ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✖ | ✖ | ◐ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | B | T | | | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 球头仿形精铣加工 Finish milling of ball head profiling | |  | P3200- D08 | 4 | 8 | 7 | 2.4 | | | 刀柄: (Toolholder) D42 | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D10 | 5 | 10 | 8.5 | 2.6 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D12 | 6 | 12 | 10 | 3 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D16 | 8 | 16 | 12 | 4 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D20 | 10 | 20 | 15 | 5 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D25 | 12.5 | 25 | 18.5 | 6 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D30 | 15 | 30 | 22.5 | 7 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |
| | | | D32 | 16 | 32 | 23.5 | 7 | | | | ● | ● | ● | | ● | | ● | ● | ● | ● | ● |

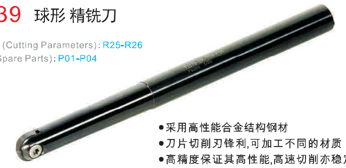
尺寸 Dimension (mm)

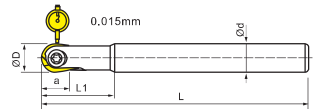
| 用途 Application | 被加工材料 Processed Material | 刀片材质 Inserts Material | 切削速度 Cutting Speed Vc(m/min) | 切削条件 Cutting Condition | Ø6 | Ø8 | Ø10 | Ø12 | Ø16 | Ø20 | Ø25 | Ø30 | Ø32 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 普通结构用钢 Mild Steels SS | ZP201 ZC32S ZN60 ZP152 | 180-230 | 切削深度 ap(mm) | 0.05 | 0.07 | 0.1 | 0.1 | 0.12 | 0.12 | 0.15 | 0.15 | 0.15 |
| | | | | 每刃进给量 f(mm/t) | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 |
| | 碳素钢、合金钢 Carbon Steel& Alloy Steels S-C SCM | ZP201 ZC32S ZP150 ZP152 | 150-200 | 切削深度 ap(mm) | 0.05 | 0.07 | 0.1 | 0.1 | 0.12 | 0.12 | 0.15 | 0.15 | 0.15 |
| | | | | 每刃进给量 f(mm/t) | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 |
| | 模具钢 (300HB以下) Die Steel SKD SKT | ZP152 ZP153 | 130-180 | 切削深度 ap(mm) | 0.05 | 0.05 | 0.06 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.11 |
| | | | | 每刃进给量 f(mm/t) | 0.15 | 0.25 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |
| | 预硬化钢 (30~40HRC) Pre-Harden Steel | ZP153 ZP163 | 70-90 | 切削深度 ap(mm) | 0.02 | 0.04 | 0.05 | 0.07 | 0.09 | 0.09 | 0.11 | 0.11 | 0.11 |
| | | | | 每刃进给量 f(mm/t) | 0.15 | 0.25 | 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 |
| M | 不锈钢 Stainiess Steels SUS | ZP152 ZP153 | 90-130 | 切削深度 ap(mm) | 0.03 | 0.05 | 0.06 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.11 |
| | | | | 每刃进给量 f(mm/t) | 0.15 | 0.25 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |
| | 不锈钢(湿式切削) Stainless Steel (wet condition) SUS | ZP152 ZP153 | 90-130 | 切削深度 ap(mm) | 0.03 | 0.05 | 0.06 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.11 |
| | | | | 每刃进给量 f(mm/t) | 0.15 | 0.25 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 |
| K | 铸铁 Cast Iron FC.FCD | ZC32S ZP201 ZP152 | 200-400 | 切削深度 ap(mm) | 0.06 | 0.08 | 0.1 | 0.15 | 0.17 | 0.17 | 0.19 | 0.19 | 0.19 |
| | | | | 每刃进给量 f(mm/t) | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 |
| N | 铝/铜/镁/锌/塑料/木材 Aluminum/Copper/Magnesium /Zinc/Plastic/Wood | PCD ZK01 | 150-300 | 切削深度 ap(mm) | 0.12 | 0.15 | 0.17 | 0.2 | 0.26 | 0.26 | 0.3 | 0.3 | 0.3 |
| | | | | 每刃进给量 f(mm/t) | 0.25 | 0.3 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 |
| S | 硬质合金/粉末冶金 Carbide/Powder Metallurgy | ZP152 ZP153 ZP163 | 20-50 | 切削深度 ap(mm) | 0.02 | 0.04 | 0.05 | 0.06 | 0.08 | 0.08 | 0.1 | 0.1 | 0.1 |
| | | | | 每刃进给量 f(mm/t) | 0.1 | 0.2 | 0.25 | 0.25 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 |
| H | 钛/高温合金/碳纤维 Titanium/Superalloy /Carbon Fiber | ZP152 ZP153 ZP163 | 25-60 | 切削深度 ap(mm) | 0.02 | 0.04 | 0.05 | 0.06 | 0.08 | 0.08 | 0.1 | 0.1 | 0.1 |
| | | | | 每刃进给量 f(mm/t) | 0.1 | 0.2 | 0.25 | 0.25 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 |

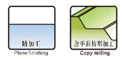
切削参数 Cutting Parameter

## T2139 球形 精铣刀

切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04






- 采用高性能合金结构钢材
- 刀片切削刃锋利,可加工不同的材质
- 高精度保证其高性能,高速切削亦稳定

★ High-performance alloy structural steel.
★ Blade cutting edge sharp, can process different materials.
★ Precision to ensure its high-performance, high-speed cutting is also stable.

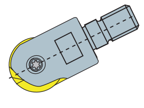
| 型号 Cat. No | D | d | L | L1 | a | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T2139C08-4R-110 | 8 | 8 | 110 | 25 | 4 | P320 □-D 08 | T2139 4R | T8 | ● | 329900 | - | 195 |
| T2139C10-4R-100 | 8 | 10 | 100 | 25 | 4 | | | | ● | 329902 | 100 | 195 |
| T2139C12-4R-130 | 8 | 12 | 130 | 40 | 4 | | | | ● | 329904 | 100 | 220 |
| T2139C16-4R-150 | 8 | 16 | 150 | 40 | 4 | | | | ● | 329906 | 127 | - |
| T2139C10-5R-120 | 10 | 10 | 120 | 30 | 5 | P320 □-D 10 | T2139 5R | T15 | ● | 329908 | 100 | 160 |
| T2139C12-5R-150 | 10 | 12 | 150 | 40 | 5 | | | | ● | 329910 | 100 | 180 |
| T2139C16-5R-150 | 10 | 16 | 150 | 40 | 5 | | | | ● | 329912 | 127 | - |
| T2139C12-6R-130 | 12 | 12 | 120 | 40 | 6 | P320 □-D 12 | T2139 6R | T20 | ● | 329914 | 100 | 160 |
| T2139C12-6R-150 | 12 | 12 | 150 | 50 | 6 | | | | ● | 329916 | 100 | 180 |
| T2139C16-6R-150 | 12 | 16 | 150 | 50 | 6 | | | | ● | 329918 | 127 | - |
| T2139C16-6R-200 | 12 | 16 | 200 | 50 | 6 | | | | ● | 329920 | 150 | - |
| T2139C16-8R-150 | 16 | 16 | 150 | 50 | 8 | P320 □-D 16 | T2139 8R | T20 | ● | 329922 | 133 | 185 |
| T2139C16-8R-200 | 16 | 16 | 200 | 60 | 8 | | | | ● | 329924 | 167 | 240 |
| T2139C20-8R-200 | 16 | 20 | 200 | 60 | 8 | | | | ● | 329926 | 200 | - |
| T2139C25-8R-250 | 16 | 25 | 250 | 60 | 8 | | | | ● | 329928 | 233 | - |
| T2139C20-10R-150 | 20 | 20 | 150 | 50 | 10 | P320 □-D 20 | T2139 10R | T20 | ● | 329930 | 167 | 260 |
| T2139C20-10R-200 | 20 | 20 | 200 | 60 | 10 | | | | ● | 329932 | 200 | 320 |
| T2139C25-10R-250 | 20 | 25 | 250 | 60 | 10 | | | | ● | 329934 | 233 | 360 |
| T2139C32-10R-300 | 20 | 32 | 300 | 60 | 10 | | | | ● | 329936 | 267 | - |
| T2139C25-12.5R-150 | 25 | 25 | 150 | 45 | 12.5 | P320 □-D 25 | T2139 12.5R | T30 | ● | 329938 | 200 | 520 |
| T2139C25-12.5R-200 | 25 | 25 | 200 | 55 | 12.5 | | | | ● | 329940 | 233 | 580 |
| T2139C25-12.5R-250 | 25 | 25 | 250 | 60 | 12.5 | | | | ● | 329942 | 267 | - |
| T2139C25-12.5R-300 | 25 | 32 | 300 | 60 | 12.5 | | | | ● | 329944 | 300 | - |
| T2139C32-12.5R-200 | 25 | 32 | 200 | 98 | 12.5 | | | | ● | 329946 | - | 630 |
| T2139C32-12.5R-250 | 25 | 32 | 250 | 120 | 12.5 | P320 □-D 30 | T2139 15R | T30 | ● | 329948 | - | 690 |
| T2139C32-12.5R-300 | 25 | 32 | 300 | 60 | 12.5 | | | | ● | 329950 | 333 | - |
| T2139C32-15R-150 | 30 | 32 | 150 | 45 | 15 | | | | ● | 329952 | 217 | - |
| T2139C32-15R-200 | 30 | 32 | 200 | 55 | 15 | | | | ● | 329954 | 250 | 750 |
| T2139C32-15R-250 | 30 | 32 | 250 | 60 | 15 | | | | ● | 329956 | 283 | - |
| T2139C32-15R-300 | 30 | 32 | 300 | 60 | 15 | | | | ● | 329958 | 317 | - |
| T2139C32-15R-350 | 30 | 32 | 350 | 60 | 15 | | | | ● | 329960 | 367 | - |
| T2139C40-15R-250 | 30 | 40 | 250 | 121 | 15 | | | | ● | 329962 | - | 830 |
| T2139C32-16R-150 | 32 | 32 | 150 | 45 | 16 | P320 □-D 32 | T2139 16R | T30 | ● | 329964 | 217 | - |
| T2139C32-16R-200 | 32 | 32 | 200 | 55 | 16 | | | | ● | 329966 | 250 | 800 |
| T2139C32-16R-250 | 32 | 32 | 250 | 60 | 16 | | | | ● | 329968 | 283 | - |
| T2139C32-16R-300 | 32 | 32 | 300 | 60 | 16 | | | | ● | 329970 | 317 | - |
| T2139C32-16R-350 | 32 | 32 | 350 | 60 | 16 | | | | ● | 329972 | 367 | - |
| T2139C40-16R-250 | 32 | 40 | 250 | 121 | 16 | | | | ● | 329974 | - | 920 |
| T2139C40-16R-350 | 32 | 40 | 350 | 121 | 16 | | | | ● | 329976 | - | 1400 |

尺寸 Size: D, d, L, L1, a

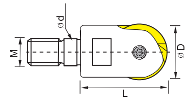
- 切削能力及精度均佳，排削好，高速切削稳定，有很宽的 应用范围。可应用于模具用材料的精加工及燃汽轮机叶片的制造。
- Cutting ability and precision are good, the row of cut is good, high-speed cutting stability, and has a wide range of applications. Can be applied to abrasive materials used in finishing and the manufacture of gas turbine blades.

## T2139M 球型精铣刀

Ball Precision Cutters (T2139M)



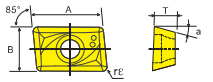
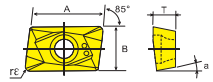
切削参数 (Cutting Parameters): R25-R26
零配件 (Spare Parts): P01-P04



| 型号 Cat. No | D | L | d | M | Teeth | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T2139M4R-M4 | R4 | 25 | 4.5 | M4 | 1 | P32..-D08 | T2139-4R | T10 | ● | 331120 | 350 |
| T2139M5R-M5 | R5 | 25 | 5.5 | M5 | 1 | P32..-D10 | T2139-5R | T20 | ● | 331122 | 350 |
| T2139M6R-M6 | R6 | 35 | 6.5 | M6 | 1 | P32..-D12 | T2139-6R | T20 | ● | 331100 | 350 |
| T2139M8R-M8 | R8 | 35 | 8.5 | M8 | 1 | P32..-D16 | T2139-8R | T20 | ● | 331102 | 350 |
| T2139M10R-M10 | R10 | 35 | 10.5 | M10 | 1 | P32..-D20 | T2139-10R | T20 | ● | 331104 | 400 |
| T2139M12.5R-M12 | R12.5 | 40 | 12.5 | M12 | 1 | P32..-D25 | T2139-12.5R | T30 | ● | 331106 | 450 |
| T2139M15R-M16 | R15 | 40 | 17 | M16 | 1 | P32..-D30 | T2139-15R | T30 | ● | 331108 | 500 |
| T2139M16R-M16 | R16 | 40 | 17 | M16 | 1 | P32..-D32 | T2139-16R | T30 | ● | 331110 | 600 |

尺寸 Size: D, L, d, M

# ADMT APMT 钻铣共用 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP151 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削/倒角加工 Face milling/Chamfering | |  底刃 | ADMT 080308L | 0.8 | 7.8 | 6.2 | 3.0 | 15 | 刀柄: (Toolholder) D43 | | | | | | | • | • | • | • | • |
| | | | 100308L | 0.8 | 10.4 | 6.35 | 3.18 | 15 | | | | | | | | • | • | • | • | • |
| | | | 12T308L | 0.8 | 12.6 | 7.93 | 3.9 | 15 | | | | | | | | • | • | • | • | • |
| | | | APMT 160408L | 0.8 | 16.45 | 9.53 | 4.76 | 11 | | | | | | | | • | • | • | • | • |
| | | | 170408L | 0.8 | 17.6 | 9.53 | 4.76 | 11 | | | | | | | | | | • | • | • |
| | | | 190508L | 0.8 | 19.6 | 10 | 5.0 | 11 | | | | | | | | | | • | • | • |
| | | | 250508L | 0.8 | 25.4 | 11 | 5.5 | 11 | | | | | | | | | | • | • | • |
| 平面铣削/倒角加工 Face milling/Chamfering | |  外周刃 | APMT 090208R | 0.8 | 9.1 | 5.1 | 2.6 | 11 | 刀柄: (Toolholder) D43 | | | | | | | • | • | • | • | • |
| | | | ACMT 100308R | 0.8 | 10.1 | 6.35 | 3.4 | 7 | | | | | | | | • | • | • | • | • |
| | | | APMT 100320R | 2.0 | 10.1 | 6.35 | 3.4 | 7 | | | | | | | | | | • | • | • |
| | | | 12T308R | 0.8 | 13.14 | 7.93 | 3.9 | 11 | | | | | | | | • | • | • | • | • |
| | | | 12T320R | 2.0 | 13.14 | 7.93 | 3.9 | 11 | | | | | | | | | | • | • | • |
| | | | 12T330R | 3.0 | 13.14 | 7.93 | 3.9 | 11 | | | | | | | | | | • | • | • |
| | | | 150408R | 0.8 | 15.88 | 9.53 | 4.76 | 11 | | | | | | | | | | • | • | • |
| | | | 150430R | 3.0 | 15.88 | 9.53 | 4.76 | 11 | | | | | | | | | | • | • | • |

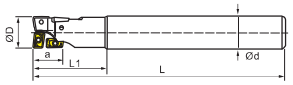
## ASJ-4P 钻铣刀

Drilling and milling cutter

切削参数 (Cutting Parameters): R16
零配件 (Spare Parts): P01-P04

- 无底孔状态下由钻孔加工至立铣加工
- 底刃刀片角度较大，加工阻力轻
- 刀片为四刃，可做深粗铣加工

★ Bottom-free state from drilling to milling process.
★ At the end of blade edge angle of greater resistance to light processing.
★ Four-edge blade, do the deep rough milling.



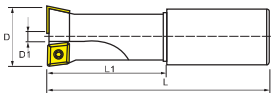
| 型号 Cat. No | 尺寸 Size D | d | L | L1 | L2 | a | 刀片 Insert 底刃 | 外周刃 | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASJ16-17-160-4T | 17 | 16 | 160 | 40 | - | 16 | ADMT080308L | APMT09208R | M2.5×6/M2×5 | T8/T6 | • | 332400 | 175 |
| ASJ20-20-160-4T | 20 | 20 | 160 | 40 | - | 20 | ADMT1003□□L ACMT1003□□L | | M2.5×6 | T8 | • | 332402 | 200 |
| ASJ20-20-200-4T | 20 | 20 | 200 | 40 | - | 20 | | | | | • | 332404 | 215 |
| ASJ20-21-160-4T | 21 | 20 | 160 | 35 | - | 20 | | | | | • | 332406 | 200 |
| ASJ20-21-200-4T | 21 | 20 | 200 | 35 | - | 20 | | | | | • | 332408 | 215 |
| ASJ25-25-160-4T | 25 | 25 | 160 | 50 | - | 25 | ADMT12T3□□L APMT12T3□□L | | M3.5×7 | T10 | • | 332410 | 230 |
| ASJ25-25-200-4T | 25 | 25 | 200 | 75 | - | 25 | | | | | • | 332412 | 250 |
| ASJ25-25-250-4T | 25 | 25 | 250 | 75 | - | 25 | | | | | • | 332414 | 270 |
| ASJ25-26-160-4T | 26 | 25 | 160 | 50 | - | 25 | | | | | • | 332416 | 230 |
| ASJ25-26-200-4T | 26 | 25 | 200 | 50 | - | 25 | | | | | • | 332418 | 250 |
| ASJ25-26-250-4T | 26 | 25 | 250 | 50 | - | 25 | | | | | • | 332420 | 270 |
| ASJ25-30-160-4T | 30 | 25 | 160 | 80 | - | 25 | APMT1604□□L APMT1504□□L | | M4×9 | T15 | • | 332422 | 240 |
| ASJ25-30-200-4T | 30 | 25 | 200 | 80 | - | 25 | | | | | • | 332424 | 260 |
| ASJ32-30-250-4T | 30 | 25 | 250 | 80 | - | 25 | | | | | • | 332426 | 280 |
| ASJ32-33-160-4T | 33 | 32 | 160 | 80 | - | 32 | | | | | • | 332428 | 250 |
| ASJ32-33-200-4T | 33 | 32 | 200 | 90 | - | 32 | | | | | • | 332430 | 275 |
| ASJ32-33-250-4T | 33 | 32 | 250 | 120 | - | 32 | | | | | • | 332432 | 300 |
| ASJ32-35-160-4T | 35 | 32 | 160 | 80 | - | 32 | | | | | • | 332434 | 250 |
| ASJ32-35-200-4T | 35 | 32 | 200 | 90 | - | 32 | | | | | • | 332436 | 275 |
| ASJ32-35-250-4T | 35 | 32 | 250 | 120 | - | 32 | | | | | • | 332438 | 300 |
| ASJ32-35-300-4T | 35 | 32 | 300 | 120 | - | 32 | | | | | • | 332440 | 330 |
| ASJ32-35-350-4T | 35 | 32 | 350 | 120 | - | 32 | | | | | • | 332442 | 375 |
| ASJ32-35-400-4T | 35 | 32 | 400 | 120 | - | 32 | | | | | • | 332444 | 400 |

## CH 螺丝沉头孔铣刀

Screw Countersunk Head Milling Cutter

切削参数 (Cutting Parameters): R16
零配件 (Spare Parts): P01-P04

- 把传统的钻孔与沉头加工结合于一体，一次加工完成，大幅提高螺丝沉头孔的加工效率

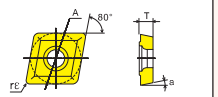
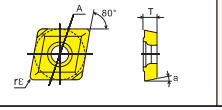


| 型号 Cat. No | 尺寸 Size D | D1 | d | L1 | L | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CH-8-14-C25 | 14 | 2.9 | 25 | 21 | 108 | 1 | CCMT060204 | M2.5×6 | T8 | • | 332600 | 200 |
| CH-10-17.5-C25 | 17.5 | 5.3 | 25 | 26 | 115 | 2 | | | | • | 332602 | 200 |
| CH-12-20-C25 | 20 | 7.8 | 25 | 30 | 120 | 2 | | | | • | 332604 | 200 |
| CH-14-23-C25 | 23 | 10.8 | 25 | 34.5 | 126 | 2 | | | | • | 332606 | 250 |
| CH-16-26-C32 | 26 | 8.5 | 32 | 39 | 132 | 2 | CCMT09T308 | M4×9 | T15 | • | 332608 | 250 |
| CH-18-29-C32 | 29 | 11.5 | 32 | 43.5 | 139 | 2 | | | | • | 332610 | 300 |
| CH-20-32-C32 | 32 | 14.5 | 32 | 59 | 144 | 2 | | | | • | 332612 | 300 |





# CCMT CPMT 钻铣共用 有孔 铣削刀片

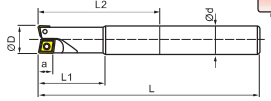
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP151 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削/倒角加工 Face milling/Chamfering | |  | CCMT 060204 | 0.4 | 6.35 | 2.38 | 刀柄: (Toolholder) D43-44 | | | | | | | • | • | • | • | • | • |
| | | | 09T304 | 0.4 | 9.525 | 3.9 | | | | | | | | • | • | • | • | • | • |
| | | | 09T308 | 0.8 | 9.525 | 3.9 | | | | | | | | • | • | • | • | • | • |
| | | | CPMT 090308 | 0.8 | 9.525 | 3.15 | | | | | | | | | | • | • | • | • |
| | | | 120408 | 0.8 | 12.7 | 4.76 | | | | | | | | | | • | • | • | • |
| | | | 120430 | 3.0 | 12.7 | 4.76 | | | | | | | | | | • | • | • | • |
| 平面铣削/倒角加工 Face milling/Chamfering | |  | CPMT 080204Z | 0.4 | 7.94 | 2.38 | 刀柄: (Toolholder) D43-44 | | | | | | | • | • | • | • | • | • |
| | | | 090204Z | 0.4 | 9.525 | 2.38 | | | | | | | | • | • | • | • | • | • |
| | | | 120308Z | 0.8 | 12.7 | 3.15 | | | | | | | | • | • | • | • | • | • |
| | | | 160408Z | 0.8 | 15.875 | 4.76 | | | | | | | | • | • | • | • | • | • |
| | | | 160430Z | 3.0 | 15.875 | 4.76 | | | | | | | | | | • | • | • | • |
| | | | 190408Z | 0.8 | 19.05 | 4.76 | | | | | | | | | | • | • | • | • |
| | | | 190430Z | 3.0 | 19.05 | 4.76 | | | | | | | | | | • | • | • | • |

## TJU 钻铣刀

Drilling And Milling Cutter

切削参数 (Cutting Parameters): R16
零配件 (Spare Parts): P01-P04

●钻铣共用，适用范围广
●切削阻力小，负荷轻



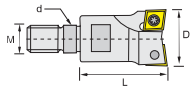
★ Drilling and milling shared wide scope of application.
★ Cutting resistance, the load light.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | L2 | a | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TJU08-08-100-1T | 8 | 8 | 100 | 30 | - | 6 | 1 | CCMT 060204 CPMT 080204Z | M2.5×6 | T8 | • | 332700 | - | 90 |
| TJU10-10-100-1T | 10 | 10 | 100 | 25 | - | 6 | 1 | | | | • | 332702 | 67 | 90 |
| TJU12-12-130-1T | 12 | 12 | 130 | 30 | - | 6 | 1 | | | | • | 332704 | 67 | 95 |
| TJU16-16-120-2T | 16 | 16 | 120 | 40 | - | 6 | 2 | CCMT 060204 CPMT 090204Z | M2.5×6 M3.5×8 | T8 T15 | • | 332706 | 93 | 110 |
| TJU16-16-150-2T | 16 | 16 | 150 | 50 | - | 6 | 2 | | | | • | 332708 | 93 | 120 |
| TJU16-16-200-2T | 16 | 16 | 200 | 60 | 100 | 6 | 2 | | | | • | 332710 | 110 | 150 |
| TJU25-16-250-2T | 16 | 25 | 250 | 60 | - | 6 | 2 | | | | • | 332712 | 167 | - |
| TJU16-17-120-2T | 17 | 16 | 120 | 40 | - | 6 | 2 | | | | • | 332714 | 93 | - |
| TJU16-17-150-2T | 17 | 16 | 150 | 50 | 100 | 6 | 2 | | | | • | 332716 | 93 | 120 |
| TJU16-17-200-2T | 17 | 16 | 200 | 60 | 100 | 6 | 2 | | | | • | 332718 | 110 | 150 |
| TJU20-20-120-2T | 20 | 20 | 120 | 40 | - | 6 | 2 | | | | • | 332720 | 107 | - |
| TJU20-20-150-2T | 20 | 20 | 150 | 50 | - | 6 | 2 | | | | • | 332722 | 107 | 140 |
| TJU20-20-200-2T | 20 | 20 | 200 | 60 | 100 | 6 | 2 | | | | • | 332724 | 127 | 150 |
| TJU25-20-250-2T | 20 | 25 | 250 | 60 | - | 6 | 2 | | | | • | 332726 | 200 | - |
| TJU20-21-150-2T | 21 | 20 | 150 | 40 | 100 | 6 | 2 | | | | • | 332728 | 107 | 140 |
| TJU20-21-200-2T | 21 | 20 | 200 | 50 | - | 6 | 2 | | | | • | 332730 | 127 | - |
| TJU25-25-150-2T | 25 | 25 | 150 | 50 | - | 9 | 2 | CPMT 090308 CPMT 120308Z | M4×9 | T15 | • | 332732 | 133 | 160 |
| TJU25-25-200-2T | 25 | 25 | 200 | 60 | - | 9 | 2 | | | | • | 332734 | 160 | 180 |
| TJU25-25-250-2T | 25 | 25 | 250 | 70 | 115 | 9 | 2 | | | | • | 332736 | 200 | 195 |
| TJU32-25-300-2T | 25 | 32 | 300 | 70 | - | 9 | 2 | | | | • | 332738 | 300 | - |
| TJU25-26-150-2T | 26 | 25 | 150 | 50 | - | 9 | 2 | | | | • | 332740 | 133 | 160 |
| TJU25-26-200-2T | 26 | 25 | 200 | 60 | 115 | 9 | 2 | | | | • | 332742 | 160 | 180 |
| TJU25-26-250-2T | 26 | 25 | 250 | 60 | - | 9 | 2 | | | | • | 332744 | 200 | - |
| TJU32-32-150-2T | 32 | 32 | 150 | 60 | - | 12 | 2 | CPMT 120408 CPMT 160408Z | M5×12 | T20 | • | 332746 | 200 | 200 |
| TJU32-32-200-2T | 32 | 32 | 200 | 60 | - | 12 | 2 | | | | • | 332748 | 227 | 210 |
| TJU32-32-250-2T | 32 | 32 | 250 | 60 | - | 12 | 2 | | | | • | 332750 | 267 | 220 |
| TJU32-32-300-2T | 32 | 32 | 300 | 60 | 165 | 12 | 2 | | | | • | 332752 | 333 | 250 |
| TJU32-32-350-2T | 32 | 35 | 350 | 60 | 215 | 12 | 2 | | | | • | 332754 | 400 | - |

## TJUM 钻铣刀

Boring & Milling Cutter(TJUM)

切削参数 (Cutting Parameters): R16
零配件 (Spare Parts): P01-P04



| 型号 Cat. No | 尺寸 Size D | L | d | M | Teeth | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TJUM162M08 | 16 | 35 | 8.5 | M8 | 2 | CCMT060204 CPMT080204Z | M2.5X6 | T8 | • | 332800 | 150 |
| TJUM202M10 | 20 | 35 | 10.5 | M10 | 2 | CCMT060204 CPMT090204Z | M2.5X6/M3.5X8 | T8/T15 | • | 332802 | 150 |
| TJUM252M12 | 25 | 40 | 12.5 | M12 | 2 | CPMT090308 CPMT120308Z | M4X9 | T15 | • | 332804 | 160 |
| TJUM322M16 | 32 | 40 | 17 | M16 | 2 | CPMT120408 CPMT160408Z | M5X12 | T20 | • | 332806 | 200 |

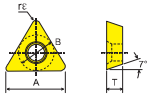
# 倒角刀

## 机夹式倒角刀
Machine clip chamfering cutter

## TCMX 定点倒角 有孔 铣削加工

切削形态: Cutting Environment — 稳定切削 Stable Cutting; 一般切削 General Cutting; 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ●●●●●●● |
| M | 不锈钢 | Stainless Steel | ●●●●●●● |
| K | 铸铁 | Iron | ●●●●●● |
| N | 铝/铜/钛/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ●●● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ●●●●●● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ●●●●●● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC325 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 定位定点倒角加工 Positioning point chamfering | |  | TCMX 090204 | 0.4 | 8.6 | 5.56 | 2.38 | 刀柄: (Toolholder) D45 | | | | • | • | • | • | • | • | • | • |
| | | | 110204 | 0.4 | 10 | 6.35 | 2.38 | | | | | • | • | • | • | • | • | • | • |
| | | | 16T304 | 0.4 | 15.5 | 9.525 | 2.38 | | | | | • | • | • | • | • | • | • | • |

### ■ SSP45° 定位倒角刀
SSP45° Positioning Chamfering

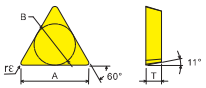
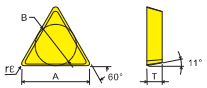
零配件 (Spare Parts): P01-P04

- 本铣刀可45°切削，亦可做倒角，V槽切削，可中心定位钻使用
- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

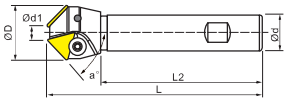
★ This cutter can be 45° cutting, chamfering can be done, groove cutting, drilling may be the use of central location
★ Suitable for general milling machine, CNC milling machines,CNC lathes, drilling chamfering

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a° | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSP-12-C12-110 | 12 | 12 | 0 | 30 | 110 | 45° | 1 | Ø0~Ø12 | 45° | TCMX0902.. | M2.2x5 | T6 | ● | 333801 | 200 |
| SSP-15-C16-110 | 15 | 16 | 0 | 30 | 110 | 45° | 1 | Ø0~Ø15 | 45° | TCMX1102.. | M2.5x6 | T8 | ● | 333802 | 200 |
| SSP-20-C20-130 | 20 | 20 | 0 | 30 | 130 | 45° | 1 | Ø0~Ø20 | 45° | TCMX16T3.. | M4x9 | T15 | ● | 333800 | 200 |

## TPKN TPKR 直角/倒角 无孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC325 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削/倒角加工 Plane milling / chamfering | |  | TPKN 110304 | 0.4 | 11 | 6.35 | 3.18 | 刀柄: (Toolholder) D25,D45 | | • | • | • | • | • | • | • | • | • | • |
| | | | 110308 | 0.8 | 11 | 6.35 | 3.18 | | | • | • | • | • | • | • | • | • | • | • |
| | | | 160304 | 0.4 | 16.5 | 9.525 | 3.18 | | | • | • | • | • | • | • | • | • | • | • |
| | | | 160308 | 0.8 | 16.5 | 9.525 | 3.18 | | | • | • | • | • | • | • | • | • | • | • |
| | | | 220404 | 0.4 | 22 | 12.7 | 4.76 | | | • | • | • | • | • | • | • | • | • | • |
| | | | 220408 | 0.8 | 22 | 12.7 | 4.76 | | | • | • | • | • | • | • | • | • | • | • |
| | | | 220412 | 1.2 | 22 | 12.7 | 4.76 | | | • | • | • | • | • | • | • | • | • | • |
| | | | 2204PDR | - | 22 | 12.7 | 4.76 | | | • | • | • | • | • | • | • | • | • | • |
| 平面铣削/倒角加工 Plane milling / chamfering | |  | TPMR 090204 | 0.4 | 9.6 | 5.56 | 2.38 | 刀柄: (Toolholder) D25,D45 | | | | • | • | • | • | • | • | • | • |
| | | | 110304 | 0.4 | 11 | 6.35 | 3.18 | | | | | • | • | • | • | • | • | • | • |
| | | | 110308 | 0.8 | 11 | 6.35 | 3.18 | | | | | • | • | • | • | • | • | • | • |
| | | | 160304 | 0.4 | 16.5 | 9.525 | 3.18 | | | | | • | • | • | • | • | • | • | • |
| | | | 160308 | 0.8 | 16.5 | 9.525 | 3.18 | | | | | • | • | • | • | • | • | • | • |
| | | | 160312 | 1.2 | 16.5 | 9.525 | 3.18 | | | | | • | • | • | • | • | • | • | • |
| | | | 220412 | 1.2 | 22 | 12.7 | 4.76 | | | | | • | • | • | • | • | • | • | • |
| | | | 330916 | 1.6 | 33 | 19.05 | 9.52 | | | | | • | • | • | • | • | • | • | • |

### ■ TP30°/ 45°/ 60° 倒角刀
Chamfering



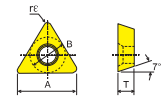
零配件 (Spare Parts): P01-P04

- 可30°/45°/60°切削，亦可倒角
- 适合加工中心及一般铣床用

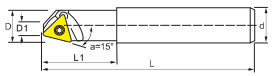
★ Can be 30°, 45°, 60° cutting, can be chamfered.
★ Milling machine for machining centers and general use.

| 型号 Cat. No | 尺寸 Size a° | D | d1 | d | L | L2 | 倒角范围 Chamfering range | 刃数 No. of flutes | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TP16R30C20-40-120-2T | 30 | 40 | 27 | 20 | 120 | 90 | Ø27-Ø40 | 2 | TPMN1603.. | TP-16 | 1/4伞形 | L4 | ● | 333400 | 200 |
| TP16R45C16-20-110-1T | 45 | 20 | 5 | 16 | 110 | 80 | Ø5-Ø20 | 1 | TPMN1603.. | TP-16 | 1/4伞形 | L4 | ● | 333402 | 200 |
| TP16R45C20-25-110-1T | 45 | 25 | 5 | 20 | 110 | 80 | Ø5-Ø25 | 1 | | | | | ● | 333404 | 200 |
| TP22R45C20-32-120-1T | 45 | 32 | 10 | 20 | 120 | 90 | Ø10-Ø32 | 1 | TPMN2204.. | TP-22 | 5/16伞形 | L5 | ● | 333406 | 250 |
| TP22R45C20-32-130-2T | 45 | 32 | 10 | 20 | 130 | 100 | Ø10-Ø32 | 2 | | | | | ● | 333408 | 250 |
| TP22R45C20-50-130-2T | 45 | 50 | 26 | 20 | 130 | 100 | Ø26-Ø50 | 2 | | | | | ● | 333410 | 300 |
| TP16R60C20-25-110-1T | 60 | 25 | 10 | 20 | 110 | 80 | Ø10-Ø25 | 1 | TPMN1603.. | TP-16 | 1/4伞形 | L4 | ● | 333412 | 200 |
| TP22R60C20-40-120-2T | 60 | 40 | 16 | 20 | 120 | 90 | Ø16-Ø40 | 2 | TPMN2204.. | TP-22 | 5/16伞形 | L5 | ● | 333414 | 250 |

## TCMT 正三角 有孔 多用途

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC325 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 倒角加工 Chamfering | |  | TCMT 090204 | 0.4 | 8.6 | 5.56 | 2.38 | 刀柄: (Toolholder) D46 | | | | • | • | • | • | • | • | • | • |
| | | | 110204 | 0.4 | 10 | 6.35 | 2.38 | | | | | • | • | • | • | • | • | • | • |
| | | | 16T304 | 0.4 | 15.5 | 9.525 | 2.38 | | | | | • | • | • | • | • | • | • | • |

### ■ SSO-15° 倒角刀
15° Chamfering



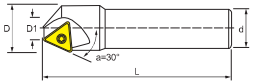
零配件 (Spare Parts): P01-P04

- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

★ Suitable for general milling machine, CNC milling machines,CNC lathes, drilling chamfering

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSO-16-C16-110 | 16 | 16 | 11 | 30 | 110 | 15° | 1 | Ø11~Ø16 | 15° | TCMT1102.. | M2.5x6 | T8 | ● | 333810 | 300 |

### ■ SSY-30° 倒角刀
30° Chamfering



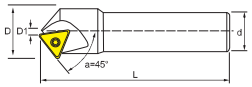
零配件 (Spare Parts): P01-P04

- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

★ Suitable for general milling machine, CNC milling machines,CNC lathes, drilling chamfering

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSY-12-C12-110 | 12 | 12 | 3 | 30 | 110 | 30° | 1 | Ø3~Ø12 | 30° | TCMT0902.. | M2.2x5 | T6 | ● | 333840 | 200 |
| SSY-16-C16-110 | 16 | 16 | 5 | 30 | 110 | 30° | 1 | Ø5~Ø16 | 30° | TCMT1102.. | M2.5x6 | T8 | ● | 333841 | 200 |
| SSY-20-C20-130 | 20 | 20 | 5 | 30 | 130 | 30° | 1 | Ø5~Ø20 | 30° | TCMT16T3.. | M4x9 | T15 | ● | 333843 | 200 |

### ■ TCM-45° 倒角刀
45° Chamfering



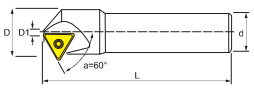
零配件 (Spare Parts): P01-P04

- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

★ Suitable for general milling machine, CNC milling machines,CNC lathes, drilling chamfering

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCM-20-C12-110 | 20 | 12 | 5 | 30 | 110 | 45° | 1 | Ø5~Ø20 | 45° | TCMT16T3.. | M4x9 | T15 | ● | 333830 | 200 |
| TCM-20-C16-110 | 20 | 16 | 5 | 30 | 110 | 45° | 1 | Ø5~Ø20 | 45° | | | | ● | 333832 | 200 |
| TCM-25-C20-110 | 25 | 20 | 5 | 30 | 110 | 45° | 1 | Ø5~Ø25 | 45° | | | | ● | 333834 | 200 |
| TCM-30-C20-110 | 30 | 20 | 10 | 30 | 110 | 45° | 1 | Ø10~Ø30 | 45° | | | | ● | 333836 | 250 |
| TCM-40-C20-110 | 40 | 20 | 18 | 30 | 110 | 45° | 2 | Ø18~Ø40 | 45° | | | | ● | 333838 | 300 |

### ■ SSH-60° 倒角刀
60° Chamfering



零配件 (Spare Parts): P01-P04

- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

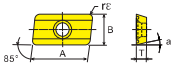
★ Suitable for general milling machine, CNC milling machines,CNC lathes, drilling chamfering

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSH-15-C12-110 | 15 | 12 | 4 | 30 | 110 | 60° | 1 | Ø4~Ø15 | 60° | TCMT0902.. | M2.2x5 | T6 | ● | 333820 | 200 |
| SSH-18-C16-130 | 18 | 16 | 4 | 30 | 130 | 60° | 1 | Ø4~Ø18 | 60° | TCMT1102.. | M2.5x6 | T8 | ● | 333822 | 200 |
| SSH-25-C20-130 | 25 | 20 | 5 | 30 | 130 | 60° | 1 | Ø5~Ø25 | 60° | TCMT16T3.. | M4x9 | T15 | ● | 333824 | 200 |

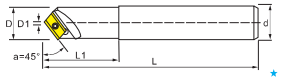
## ADNT 倒角加工 有孔 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ●●●✕✕●● |
| M | 不锈钢 | Stainless Steel | ●●●●●●● |
| K | 铸铁 | Iron | ●●●✕✕✕ |
| N | 铝/铜/钛/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ●●● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ●●✕✕●● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ●✕✕●● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK03S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right-angle milling | |  | ADNT 160308SR | 0.8 | 15.875 | 9.525 | 3.18 | 15° | 刀柄: (Toolholder) D23,D47 | | | • | • | • | | | | | | |

## ■ SSK-45° 舍弃式倒角刀
SSK45° Discarding Chamfering



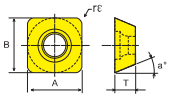
- 本铣刀可45° 切削，亦可做倒角，V槽切削
- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

★ This cutter can be 45 ° cutting, chamfering can be done.
★ Suitable for general milling machine, integrated machining center.

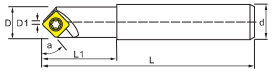
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSK-20-C20-130N | 20 | 20 | 8 | 30 | 130 | 45° | 1 | Ø8~Ø20 | 45° | AD..1603.. | M4x8 | T15 | • | 333700 | 200 |

## SPMW SDMB 倒角加工 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK03S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right-angle milling | |  | SPMW 090304 | 0.4 | 9.525 | 9.525 | 3.18 | 11° | 刀柄: (Toolholder) D47 | | | • | • | • | • | | | | | |
| | | | SDMB 26152 | 0.4 | 8.3 | 8.3 | 2.5 | 15° | | | | • | • | • | • | | | | | |

## ■ SB-45 ° 倒角刀
Chamfering



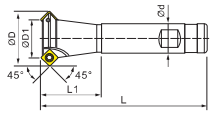
- 用于内外倒角加工，端面槽加工
- 刀片形状为正方形，使用时可转位4次，更经济

★ For internal and external chamfering processing, end-groove.
★ Blade shape is square, use indexable four times more economical.

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB-16-C16-110 | 15 | 16 | 3 | 30 | 110 | 45° | 1 | Ø3~Ø15 | 45° | SPMW0903 | M4x8 | T15 | • | 333820 | 200 |
| SD-03-C12-110 | 12 | 12 | 4 | 30 | 110 | 45° | 1 | Ø4~Ø12 | 45° | SDMB26152 | M3x7 | T8 | • | 333822 | 200 |

## ■ SD-45 ° 内外倒角刀
Internal And External Chamfering



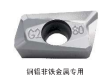
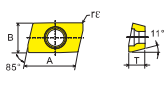
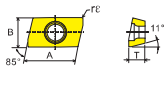
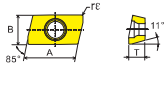
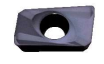
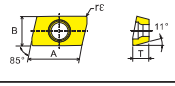
- 用于内外倒角加工，端面槽加工
- 刀片形状为正方形，使用时可转位4次，更经济

★ For internal and external chamfering processing, end-groove.
★ Blade shape is square, use indexable four times more economical.

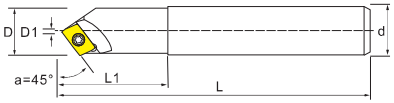
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SD-12-C16-110-1T | 22 | 16 | 12 | 30 | 110 | 45° | 1 | Ø12~Ø22 | 45° | SDMB26152 | M3x7 | T8 | • | 333600 | 200 |
| SD-25-C20-110-2T | 25 | 20 | 15 | 30 | 110 | 45° | 2 | Ø15~Ø25 | 45° | | | | • | 333602 | 200 |
| SD-20-C20-110-2T | 30 | 20 | 22 | 30 | 110 | 45° | 2 | Ø22~Ø30 | 45° | | | | • | 333604 | 200 |
| SD-30-C20-110-2T | 40 | 20 | 30 | 30 | 110 | 45° | 2 | Ø30~Ø40 | 45° | | | | • | 333608 | 250 |
| SD-40-C20-110-2T | 50 | 20 | 40 | 30 | 110 | 45° | 2 | Ø40~Ø50 | 45° | | | | • | 333610 | 300 |

## APMT 直角台肩 有孔 铣削刀片

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK03S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 直角台肩铣削 Right-angle milling |  铜铝非铁金属专用 Special for copper aluminum metal |  | APKT 1135PDER-G2<br>1604PDER-G2 | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | • | | | | | | | | |
| 直角台肩铣削 Right-angle milling | 铜铝非铁金属专用 Special for copper aluminum metal |  | APKT 160402-AL<br>160404-AL<br>160408-AL | 0.2<br>0.4<br>0.8 | 16.5<br>16.5<br>16.5 | 9.525<br>9.525<br>9.525 | 4.76<br>4.76<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | • | | | | | | | | |
| 直角台肩铣削 Right-angle milling | 通用加工 General processing |  | APMT 1135PDER-M2<br>1604PDER-M2 | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | • | | | • | • | • | • | • |
| 直角台肩铣削 Right-angle milling |  通用加工 General processing |  | APMT 1135PDER-H2<br>1604PDER-H2 | 0.8<br>0.8 | 11<br>16.5 | 6.35<br>9.525 | 3.5<br>4.76 | 刀柄: (Toolholder) D14-D16, D48,D52 | | | • | | | • | • | • | • | • |

## ■ SSK45° 舍弃式倒角刀
SSK45° Discarding Chamfering



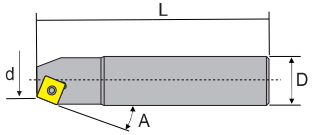
- 本铣刀可45° 切削，亦可做倒角，V槽切削
- 适合一般铣床，CNC铣床，CNC车床，钻床倒角

★ This cutter can be 45 ° cutting, chamfering can be done.
★ Suitable for general milling machine, integrated machining center.

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | D1 | L1 | L | a | 刃数 No. of flutes | 倒角范围 Chamfering range | 角度 Angle | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SSK-15-C12-110 | 15 | 12 | 5 | 30 | 110 | 45° | 1 | Ø5~Ø15 | 45° | AP..1135.. | M2.5x6 | T8 | • | 333710 | 200 |
| SSK-16-C16-110 | 16 | 16 | 5 | 30 | 110 | 45° | 1 | Ø5~Ø16 | 45° | | | | • | 333712 | 200 |
| SSK-20-C16-110 | 20 | 16 | 8 | 30 | 110 | 45° | 1 | Ø8~Ø20 | 45° | AP..1604.. | M4x9 | T15 | • | 333714 | 200 |
| SSK-20-C20-130 | 20 | 20 | 8 | 30 | 130 | 45° | 1 | Ø8~Ø20 | 45° | | | | • | 333716 | 200 |
| SSK-20-C20-200 | 20 | 20 | 8 | 30 | 200 | 45° | 1 | Ø8~Ø20 | 45° | | | | • | 333718 | 200 |
| SSK-25-C25-120 | 25 | 25 | 10 | 30 | 120 | 45° | 1 | Ø10~Ø25 | 45° | | | | • | 333720 | 300 |

## ■ BMC/MC 倒角刀
BMC/MC Chamfering

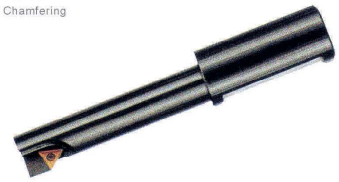


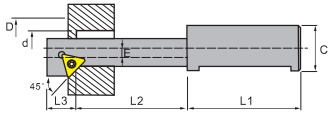

零配件 (Spare Parts): P01-P04

● 多种角度，适用孔背及反边倒角，减少二次装夹，省时高效！
★ A Ariety Of Angles, Applicable Hole Back And The Edge Chamfer, Reduce Secondary Clamping, Time Efficient!

| 型号 Cat. No | 尺寸 Size 直径d | 倒角角度A | 柄径 D | 总长L | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| BMC09-3015D-C20-150 | 30 | 15 | 20 | 150 | SDMT090308 | M4x9 | T10 | ● | 333200 | 350 |
| BMC09-3030D-C20-150 | 30 | 30 | 20 | 150 | | | | ● | 333202 | 350 |
| BMC09-3045D-C20-150 | 30 | 45 | 20 | 150 | | | | ● | 333204 | 400 |
| BMC09-3060D-C20-150 | 30 | 60 | 20 | 150 | | | | ● | 333206 | 400 |
| MC09-1215D-C20-135 | 12 | 15 | 20 | 135 | | | | ● | 333208 | 300 |
| MC09-1230D-C20-135 | 12 | 30 | 20 | 135 | | | | ● | 333210 | 300 |
| MC09-1245D-C20-135 | 12 | 45 | 20 | 135 | | | | ● | 333212 | 350 |
| MC09-1260D-C20-135 | 12 | 60 | 20 | 135 | | | | ● | 333214 | 350 |

## ■ 倒拉倒角刀
Inverted Chamfering





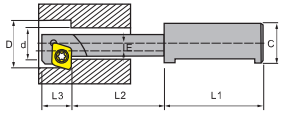

● 不用正反转，减少损坏概率
● 特殊设计本体刚性最佳

★ No need for reverse running of spinds that minimizes defect of tool.
★ Specially designed body gives maximum rigidity.

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | C | L1 | L2 | L3 | E | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BC-2014 | 20 | 14 | 16 | 48 | 40 | 13 | 3.2 | TCMT110204 TCGT110204 | M2.5×6.5 | T8 | ● | 333100 | 260 |
| BC-2317 | 23 | 17 | 20 | 50 | 50 | 13 | 3.2 | | | | ● | 333102 | 260 |
| BC-2721 | 27 | 21 | 25 | 56 | 70 | 13 | 3.2 | | | | ● | 333104 | 380 |
| BC-3124 | 31 | 24 | 25 | 56 | 80 | 13 | 3.7 | | | | ● | 333106 | 380 |

## ■ 倒拉沉头刀
Inverted Countersunk Head

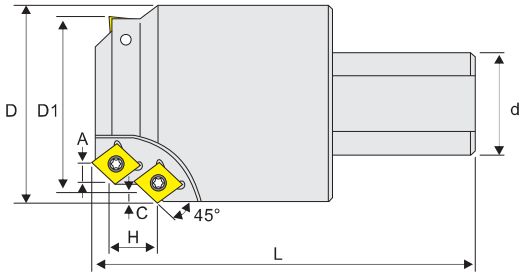



●减少二次加工，增加微调机构
●不用正反转，减少损坏概率
●特殊设计本体刚性最佳

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | C | L1 | L2 | L3 | E | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10-1810 | 18 | 10.5 | 16 | 48 | 35 | 13 | 4 | CCMT060204 CCGT060204 | M2.5×6.5 | T8 | ● | 333900 | 200 |
| M12-2013 | 20 | 13 | 16 | 48 | 10 | 13 | 3.85 | | | | ● | 333902 | 200 |
| M16-2617 | 26 | 17 | 20 | 50 | 50 | 13 | 4.85 | CCMT09T308 CCGT09T308 | M4×9 | T15 | ● | 333904 | 300 |
| M20-3321 | 33 | 21 | 25 | 56 | 70 | 13 | 6.4 | | | | ● | 333906 | 300 |
| M24-4025 | 40 | 25 | 25 | 56 | 80 | 13 | 7.9 | | | | ● | 333908 | 300 |

## ■ CA 双倒角沉头刀
CA Double Chamfer Countersunk Head Cutter



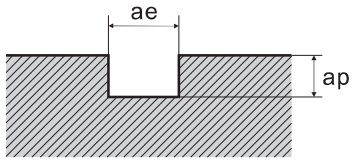
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刀具直径 D | 底孔直径 D1 | 沉孔深度 H | 倒角尺寸 A | 倒角尺寸 C | 柄部直径 d | 总长 L | 螺钉 Screw | 扳手 Wrench | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA1218-6.5 | 18 | 12 | 6.5 | 0.8 | 0.8 | 25 | 100 | T8 | M2.5X6 | CCMT 0602.. | • | 333920 | 365 |
| CA1521-6.5 | 21 | 15 | 6.5 | 1.0 | 0.8 | 25 | 120 | | | | • | 333922 | 365 |
| CA1622-6.5 | 22 | 16 | 6.5 | 1.0 | 0.8 | 25 | 120 | | | | • | 333924 | 365 |
| CA2026-6.5 | 26 | 20 | 6.5 | 1.0 | 0.8 | 25 | 120 | | | | • | 333926 | 365 |
| CA2026-8.5 | 26 | 20 | 8.5 | 1.0 | 0.8 | 25 | 120 | | | | • | 333928 | 365 |
| CA2531-6.5 | 31 | 25 | 6.5 | 1.0 | 0.8 | 32 | 120 | T15 | M4.0X9 | CCMT 09T3.. | • | 333930 | 365 |
| CA2531-8.5 | 31 | 25 | 8.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333932 | 365 |
| CA2531-10.5 | 31 | 25 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333934 | 365 |
| CA3036-8.5 | 36 | 30 | 8.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333936 | 365 |
| CA3036-10.5 | 36 | 30 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333938 | 365 |
| CA3541-8.5 | 41 | 35 | 8.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333940 | 433 |
| CA3541-10.5 | 41 | 35 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333942 | 433 |
| CA4046-10.5 | 46 | 40 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333944 | 500 |
| CA4248-10.5 | 48 | 42 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333946 | 500 |
| CA4552-10.5 | 52 | 45 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333948 | 548 |
| CA4855-10.5 | 55 | 48 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333950 | 548 |
| CA5057-12.5 | 57 | 50 | 12.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333952 | 548 |
| CA5562-10.5 | 62 | 55 | 10.5 | 1.0 | 0.8 | 32 | 120 | | | | • | 333954 | 548 |
| CA6067-15.5 | 67 | 60 | 15.5 | 1.0 | 0.8 | 40 | 130 | | | | • | 333956 | 705 |
| CA7077-12.5 | 77 | 70 | 12.5 | 1.0 | 0.8 | 40 | 130 | | | | • | 333958 | 820 |
| CA7077-15.5 | 77 | 70 | 15.5 | 1.0 | 0.8 | 40 | 130 | | | | • | 333960 | 820 |
| CA8088-15.5 | 88 | 80 | 15.5 | 1.0 | 0.8 | 40 | 130 | | | | • | 333962 | 978 |
| CA8088-20.5 | 88 | 80 | 20.5 | 1.0 | 0.8 | 40 | 130 | | | | • | 333964 | 978 |
| CA9098-20.5 | 98 | 90 | 20.5 | 1.0 | 0.8 | 40 | 130 | | | | • | 333966 | 1115 |

# 可转位玉米型铣削刀具（推荐切削参数）

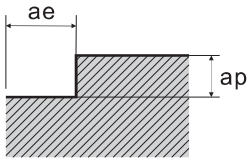
Indexable corn milling cutter (Recommended cutting parameters)

## 槽铣加工
Groove milling



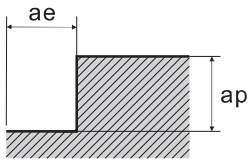

ae与刀具直径一致ap≤0.5D

## 方肩台阶铣
Step milling




ae≤0.5D ap≤1.2D

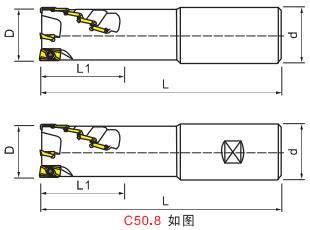
## 深方肩台阶铣
Deep step milling




ae≤0.2D ap小于切削刃长

| 被加工材料 Processed Material | 硬度 HB | 刀片材质 Inserts Material | 切削用量 Cutting amount 方肩台阶铣 Square shoulder milling Vc (m/min) | f (mm/z) 精加工 Finish | 中切削 Medium | 重切削 Heavy |
|---|---|---|---|---|---|---|
| 低碳钢、软钢 Mild Steels | ≤180 | ZP151 ZP163 | 270(240-350) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP201 | 220(180-300) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP153 | 270(200-360) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP152 | 240(180-350) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| 高碳钢、合金钢 Carbon Steel & Alloy Steels | 180-280 | ZP151 ZP163 | 240(210-320) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP201 | 200(160-280) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP153 | 240(180-360) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP152 | 220(150-330) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| 合金工具钢 Die Steel | 280-350 | ZP151 ZP163 | 220(180-300) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP201 | 180(150-250) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP153 | 220(160-340) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP152 | 200(120-300) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| 不锈钢 Stainiess Steels | ≤270 | ZP153 | 170(120-240) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP152 | 160(150-270) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP151 | 150(110-270) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| | | ZP150 | 140(100-250) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | 0.25(0.2-0.35) |
| 铸铁 Cast Iron | 180-250 | ZK50S | 200(120-240) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | |
| | | ZK50 | 180(120-300) | 0.1(0.08-0.2) | 0.2(0.1-0.3) | |
| -AL | | | | | | |
| 铝合金 Aluminum | --- | ZK01 | 300- | 0.2(0.08-0.4) | | |
| | | PCD | 300- | 0.2(0.08-0.4) | | |

## ■ APK 玉米立铣刀杆
APK Corn End Milling Cutter




C50.8 如图

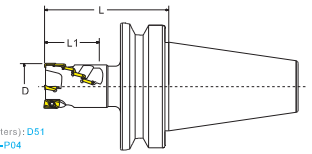
- 高效能型粗铣刀，能加工深孔。
- 尺寸可由刀杆随意变换深度，发挥最大效能。

★ High-performance-based rough milling, deep hole can be processed.
★ Arbor size can be arbitrarily change the depth of maximum efficiency.

切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | L1 | L | 刃数 No. of Flutes | 刀片数 T | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C20-20AP11-28-125-2T | 20 | 20 | 28 | 125 | 2 | 6 | AP..1135.. | M2.5X6 | T8 | ● | 334500 | 1750 |
| C20-20AP11-35-110-2T | 20 | 20 | 35 | 110 | 2 | 8 | | | | ● | 334502 | 1040 |
| C25-25AP11-38-130-2T | 25 | 25 | 38 | 130 | 2 | 8 | | | | ● | 334504 | 1900 |
| C25-25AP11-35-120-2T | 25 | 25 | 35 | 120 | 2 | 8 | | | | ● | 334506 | 1280 |
| C32-32AP11-48-150-3T | 32 | 32 | 48 | 150 | 3 | 12 | | | | ● | 334508 | 2750 |
| C32-32AP16-55-135-2T | 32 | 32 | 55 | 135 | 2 | 8 | AP..1604.. | M4.0X12 | T15 | ● | 334510 | 1440 |
| C32-40AP16-70-150-3T | 40 | 32 | 70 | 150 | 3 | 12 | | | | ● | 334512 | 3000 |
| C32-40AP16-55-135-2T | 40 | 32 | 55 | 135 | 2 | 8 | | | | ● | 334514 | 1680 |
| C32-50AP16-55-135-4T | 50 | 32 | 55 | 135 | 4 | 16 | | | | ● | 334516 | 1880 |
| C50.8-50AP16-80-205-3T | 50 | 50.8 | 80 | 205 | 3 | 18 | APKT1504.. SPMT45272.. | M5 | T20 | ● | 334518 | 5440 |
| C50.8-50AP16-125-250-3T | 50 | 50.8 | 125 | 250 | 3 | 29 | | | | ● | 334520 | 6480 |

## ■ AP 整体式玉米型粗铣刀
AP Integral Type Maize Rough Milling Cutter




切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04

| 订购编码 Order | 规格型号 Specification | Dimensions D | L1 | L | 刀片数 T | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 334550 | BT40-50AP16-70-125-4T | 50 | 70 | 125 | 16 | 4 | 10000 |
| 334552 | BT40-63AP16-110-160-4T | 63 | 110 | 160 | 24 | 4 | 16800 |
| 334554 | BT50-80AP16-165-250-4T | 80 | 165 | 250 | 36 | 4 | 20000 |

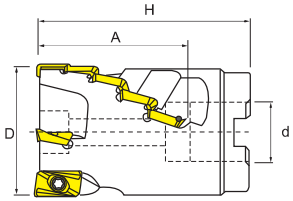
配件(Accessory): 刀片:APMT1604.. 螺钉:M4X10 扳手:T15

## ■ APC 玉米型粗铣刀盘
Corn Type Rough Milling Cutter

- 高效能型粗铣刀，能加工深孔
- 尺寸可由刀杆随意变换深度，发挥最大效能

★ High-performance-based rough milling, deep hole can be processed.
★ Arbor size can be arbitrarily change the depth of maximum efficiency.

切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04

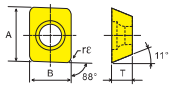
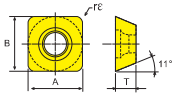



| 型号 Cat. No | 尺寸 Size D | d | A | H | 刀片数T | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| D50AP16-22-42-65-3T | 50 | 22 | 42 | 65 | 9 | APKT1604 | M4 | T15 | ● | 334530 | 2750 |
| D50AP16-22-70-90-4T | 50 | 22 | 70 | 90 | 16 | | | | ● | 334532 | 3040 |
| D63AP16-27-42-65-4T | 63 | 27 | 42 | 65 | 12 | | | | ● | 334534 | 3000 |
| D63AP16-22-70-90-4T | 63 | 22 | 70 | 90 | 16 | | | | ● | 334536 | 3280 |
| D80AP16-32-70-100-5T | 80 | 32 | 70 | 100 | 16 | | | | ● | 334538 | 3750 |
| D80AP16-27-110-135-4T | 80 | 27 | 110 | 135 | 24 | | | | ● | 334540 | 3720 |

| LPMT SPMT | 侧铣槽铣 |
|---|---|
| | 有孔 |
| | 粗铣加工 |

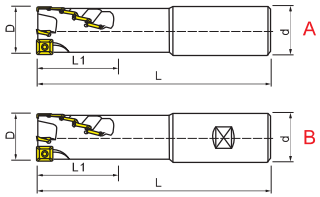
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Applications | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZN-G | ZP325 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 铣削刀片 Milling Insert | |  | APKT 150412-PM<br>150412-KM<br>LPMT 150412-PM<br>150412-KM | 1.2<br>1.2<br>1.2<br>1.2 | 16.33<br>16.33<br>16.33<br>16.33 | 12.7<br>12.7<br>12.7<br>12.7 | 4.76<br>4.76<br>4.76<br>4.76 | 刀柄: (Toolholder) D53-D54 | | | | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |
| 铣削刀片 Milling Insert | |  | SPMT 120408-PM<br>120408-KM | 0.8<br>0.8 | 12.7<br>12.7 | 12.7<br>12.7 | 4.76<br>4.76 | 刀柄: (Toolholder) D53-D54 | | | | | | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● | ● ● ● ● |

## ■ SPM 玉米立铣刀杆
SPM Corn End Mill

切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04



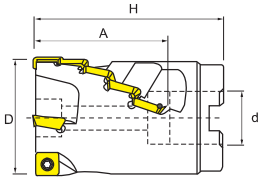

- 高效能型粗铣刀，能加工深孔。
- 尺寸可由刀杆随意变换深度，发挥最大效能。

★ High-performance-based rough milling, deep hole can be processed.
★ Arbor size can be arbitrarily change the depth of maximum efficiency.

| 型号 Cat. No | 尺寸 Size D | d | L1 | L | 图示 Figure | 刃数 No. of flutes | 刀片 Insert T | | T | | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPM-32-120-40-C32 | 32 | 32 | 40 | 120 | A | 3 | | | | SCMT09T304 | M4 | T15 | ● | 334600 | 1200 |
| SPM-32-150-40-C32 | 32 | 32 | 40 | 150 | A | 3 | | | | | | | ● | 334602 | 1300 |
| SPM-38-120-40-C32 | 38 | 32 | 40 | 120 | A | 3 | | | | SCMT09T308 | | | ● | 334604 | 1400 |
| SPM-38-150-40-C32 | 38 | 32 | 40 | 150 | A | 3 | | | | | | | ● | 334606 | 1500 |
| SPM-40-150-50L-32 | 40 | 32 | 50 | 150 | A | 4 | 2 | P27215-3 | 12 | SDMT090308 | M4 | T15 | ● | 334608 | 1600 |
| SPM-40-170-56L-C42 | 40 | 42 | 56 | 170 | B | 2 | 1 | LPMT1504 | 15 | SPMT1204 | M5 | T20 | ● | 334610 | 1800 |
| SPM-50-200-77L-C42 | 50 | 42 | 77 | 200 | B | 4 | 2 | LPMT1504 | 14 | SPMT1204 | M5 | T20 | ● | 334612 | 2000 |
| SPM-50-250-158-C42 | 50 | 42 | 158 | 250 | B | 4 | 2 | LPMT1504 | 30 | SPMT1204 | M5 | T20 | ● | 334614 | 2200 |

## ■ SPC 玉米型粗铣刀盘
Corn Type Rough Milling Cutter

切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04



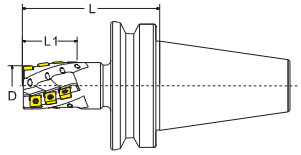

- 高效能型粗铣刀，能加工深孔。
- 尺寸可由刀杆随意变换深度，发挥最大效能。

★ High-performance-based rough milling, deep hole can be processed.
★ Arbor size can be arbitrarily change the depth of maximum efficiency.

| 型号 Cat. No | 尺寸 Size D | d | A | H | 刃数T | 刀片 Insert | T | | T | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPC-80-31.75-80L | 80 | 31.75 | 67 | 80 | 6 | LPMT1504 | 3 | SPMT1204 | 18 | M5 | T20 | ● | 334400 | 3200 |
| SPC-80-32-80L | 80 | 32 | 67 | 80 | 6 | | | | | | | ● | 334402 | 3200 |
| SPC-100-40-100L | 100 | 40 | 77 | 100 | 8 | LPMT1504 | 4 | SPMT1204 | 24 | M5 | T20 | ● | 334404 | 4500 |

## ■ SPC 整体式玉米型粗铣刀
SPC Integral Type Maize Rough Milling Cutter

切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04




配件(Accessory):
刀片: LPMT1504..
SPMT1204..
螺钉: M5X12
扳手: T20

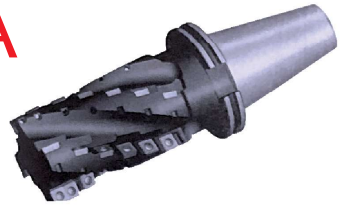
- 整体式结构, 切削刚性更好!
- 多种切深长度，灵活选择。

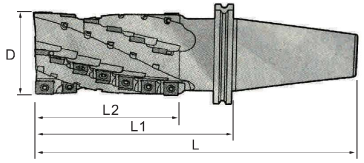
★ The overall structure, cutting better rigidity!
★ A variety of cutting length, flexible choice.

| 订购编码 Order | 规格型号 Specification | Dimensions D | L1 | L | 刀片数 T | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 334214 | BT40-SPC40-60 | 40 | 60 | 107 | | 4 | 8000 |
| 334216 | BT40-SPC50-60 | 50 | 60 | 117 | | 4 | 8000 |
| 334218 | BT50-SPC50-60 | 50 | 60 | 138 | | 4 | 9000 |
| 334220 | BT50-SPC63-80 | 63 | 80 | 153 | | 4 | 9000 |
| 334222 | BT50-SPC80-120 | 80 | 120 | 188 | | 4 | 10000 |
| 334224 | BT50-SPC80-150 | 80 | 150 | 203 | | 4 | 11000 |

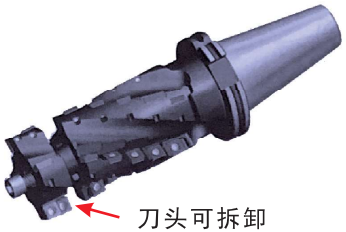
## ■ HMP01 整体式玉米型粗铣刀
HMP01 Integral Type Maize Rough Milling Cutter

A

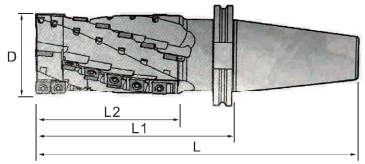





B



刀头可拆卸
Detachable head



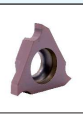
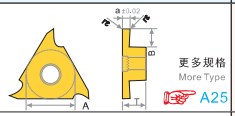
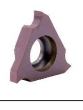
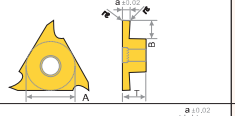
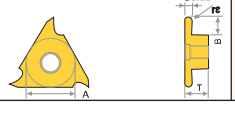

切削参数 (Cutting Parameters): D51
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | L2 | L1 | L | 图示 Figure | 槽数 Edges | 刀片 Insert T | | T | | 螺钉 Screw | 扳手 Wrench | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HMP01- 050-84-BT50-SP12 | 50 | 84 | 145 | 246 | A | 4 | 2 | AKPT1504 | 16 | SPMT1204 | M5x13 | T20 | 334620 | 9000 |
| 063-74-BT50-SP12 | 63 | 74 | 135 | 236 | A | 4 | 2 | | 14 | | | | 334622 | 9000 |
| 063-104-BT50-SP12 | 63 | 104 | 165 | 266 | A | 4 | 2 | | 20 | | | | 334624 | 9000 |
| 063-134-BT50-SP12 | 63 | 134 | 195 | 296 | A | 4 | 2 | | 26 | | | | 334626 | 10000 |
| 080-104-BT50-SP12 | 80 | 104 | 165 | 266 | A | 4 | 2 | | 20 | | | | 334628 | 10000 |
| 080-144-BT50-SP12 | 80 | 144 | 205 | 306 | A | 4 | 2 | | 28 | | | | 334630 | 12000 |
| HMP01- 050-84EC-BT50-SP12 | 50 | 84 | 145 | 246 | B | 4 | 2 | AKPT1504 | 16 | SPMT1204 | M5x13 | T20 | 334632 | 10000 |
| 063-74EC-BT50-SP12 | 63 | 74 | 135 | 236 | B | 4 | 2 | | 14 | | | | 334634 | 10000 |
| 063-104EC-BT50-SP12 | 63 | 104 | 165 | 266 | B | 4 | 2 | | 20 | | | | 334635 | 12000 |
| 063-134EC-BT50-SP12 | 63 | 134 | 195 | 296 | B | 4 | 2 | | 26 | | | | 334636 | 13000 |
| 080-104EC-BT50-SP12 | 80 | 104 | 165 | 266 | B | 4 | 2 | | 20 | | | | 334637 | 12000 |
| 080-144EC-BT50-SP12 | 80 | 144 | 205 | 306 | B | 4 | 2 | | 28 | | | | 334639 | 13000 |

# TT 正三角 有孔 切槽加工

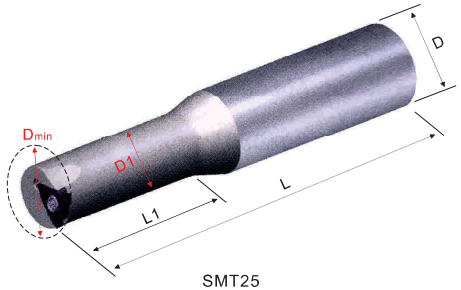
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ● ✕ ✕ ✕ ● ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

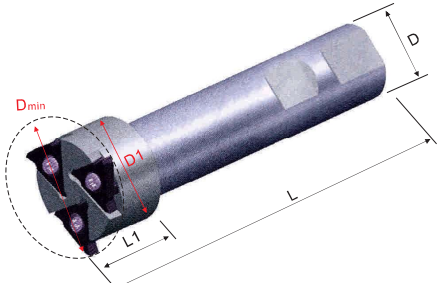
| Application 用途 | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK02S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grooving Inserts 切槽刀片 |  |  更多规格 More Type A25 | TGF32L 150<br>200<br>250<br>300<br>350 | 0.1<br>0.15<br>0.15<br>0.15<br>0.15 | 16 | 2.0<br>2.8<br>2.8<br>2.8<br>2.8 | 3.18 | 1.5<br>2.0<br>2.5<br>3.0<br>3.5 | 刀柄: (Toolholder) D55-D56 | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● |
| Grooving Inserts 切槽刀片 | | 更多规格 More Type A25 | TGF32L 150-R0.75<br>200-R1.0<br>250-R1.25<br>300-R1.5 | 0.75<br>1.0<br>1.25<br>1.5 | 16 | 2.0<br>2.8<br>2.8<br>2.8 | 3.18 | R0.75<br>R1.0<br>R1.25<br>R1.5 | 刀柄: (Toolholder) D55-D56 | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● |
| Grooving Inserts 切槽刀片 |  |  | TT43L 200<br>250<br>300<br>350<br>400<br>500 | 0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2 | 22 | 4.8 | 5.0 | 2.0<br>2.5<br>3.0<br>3.5<br>4.0<br>5.0 | 刀柄: (Toolholder) D55-D56 | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● |
| Grooving Inserts 切槽刀片 | |  | TT43L 200-R1.0<br>250-R1.25<br>300-R1.5<br>350-R1.75<br>400-R2.0<br>500-R2.5 | 1.0<br>1.25<br>1.5<br>1.75<br>2.0<br>2.5 | 22 | 4.8 | 5.0 | R1.0<br>R1.25<br>R1.5<br>R1.75<br>R2.0<br>R2.5 | 刀柄: (Toolholder) D55-D56 | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● | ● ● ● ● ● ● ● ● ● ● ● ● |

## ■ SMT T型槽铣刀

T-Slot Side Mill




SMT25
SMT32



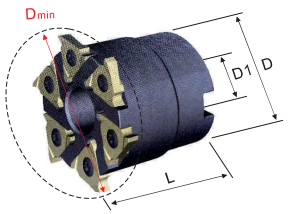

SMT44

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size Dmin | D | D1 | L | L1 | | | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMT 25-25KT32-1 | 25 | 25 | 17 | 125 | 56 | | | 1 | TGF32L | M3.5×10 | T15 | ● | 335530 | 500 |
| 32-32KT32-1 | 32 | 32 | 24 | 125 | 77 | | | 1 | TGF32L | M3.5×10 | T15 | ● | 335532 | 600 |
| 39-25KT32-3 | 39 | 25 | 30 | 125 | 23 | | | 3 | TT43L | M5×13 | T20 | ● | 335534 | 800 |
| 44-25KT43-3 | 44 | 25 | 36 | 125 | 23 | | | 3 | TT43L | M5×13 | T20 | ● | 335536 | 1000 |

## ■ SMT T型槽铣刀盘

T-Slot Side Mill

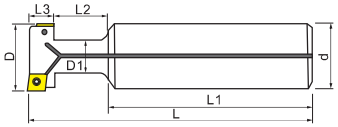



零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size Dmin | D | D1 | L | | | | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMT 63-22T43-6 | 63 | 50 | 22 | 50 | | | | 6 | TT43L | M5×13 | T20 | ● | 335538 | 900 |
| 80-27T43-8 | 80 | 50 | 27 | 50 | | | | 8 | TT43L | M5×13 | T20 | ● | 335539 | 1200 |

## ■ ATS T型槽铣刀

T-Slot Side Mill



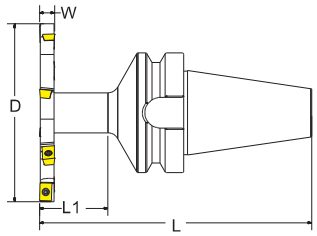

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | D1 | L | L1 | L2 | L3 | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ATS-24-11 | 24 | 25 | 12.5 | 112 | 80 | 21 | 11 | 2 | CCMT060204 | M2.5×6 | T8 | ● | 335500 | 300 |
| ATS-31-14 | 31 | 32 | 16 | 120 | 77 | 30 | 14 | 4 | CCMT080304 | M3×7 | T10 | ● | 335502 | 320 |
| ATS-39-18 | 39 | 32 | 20 | 130 | 80 | 32 | 18 | 4 | CCMT09T308 | M4×10 | T15 | ● | 335504 | 350 |
| ATS-49-22 | 49 | 32 | 26 | 140 | 80 | 39 | 22 | 4 | CCMT120408 | M5×11 | T20 | ● | 335506 | 400 |

## ■ 890 一体式高速强力T形刀

890 Integrated high power T cutter

零配件 (Spare Parts): P01-P04




● 高刚性一体式结构，使型腔加工更加轻松！

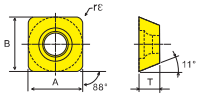
★ High rigid integral structure, so that the cavity processing more easily!

| 型 号 Cat. No | 刃数 Blade number | 直径 D Diameter | 切削宽度 W Cutting width | d | L | 刀 片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| 890-220172R98.5-BT40 | 8 | 98.5 | 8 | 21 | 36 | N331.1A-054508 | ● | 335100 | 2600 |
| 890-220172R96-BT40 | 8 | 96 | 8 | 21 | 36 | | ● | 335102 | 2900 |
| 890-220172R115-BT40 | 8 | 115 | 8 | 21 | 36 | | ● | 335104 | 3400 |

**MPHT** 槽加工 有孔 铣削加工

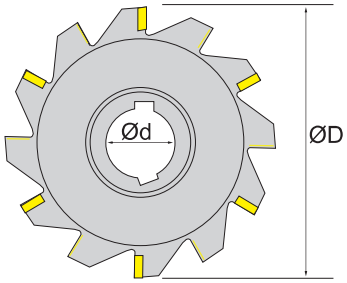
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

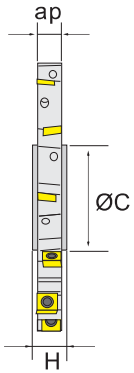
| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZK02 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 铣削刀片 Milling Insert | |  | MPHT 060304-DM<br>080305-DM<br>120408-DM | 0.4<br>0.5<br>0.8 | 6.35<br>8.3<br>12.7 | 6.35<br>8.3<br>12.7 | 3.18<br>3.18<br>4.76 | 刀柄: (Toolholder) D57-D58 | | | | | | | | ● | ● | ● | ● | ● |

## ■ DMP 三面刃铣刀(卡口型)

DMP three-sided edge milling cutter (bayonet type)



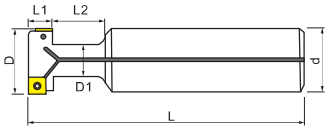




零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size ØD | ØC | Ød | ap | H | 齿数 Z | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMP06-08008-K27 | 80 | 41 | 27 | 8 | 12 | 10 | MP□T060304 | M2.5X6.5 | T8 | ● | 335200 | 1400 |
| DMP06-10008-K32 | 100 | 47 | 32 | 8 | 12 | 14 | | | | ● | 335202 | 1500 |
| DMP06-10010-K32 | 100 | 47 | 32 | 10 | 14 | 14 | | | | ● | 335204 | 1500 |
| DMP06-12510-K40 | 125 | 55 | 40 | 10 | 14 | 16 | | | | ● | 335206 | 1700 |
| DMP08-12512-K40 | 125 | 55 | 40 | 12 | 16 | 12 | MP□T080305 | M3X7 | T10 | ● | 335208 | 1700 |
| DMP08-16012-K40 | 160 | 62 | 40 | 12 | 16 | 14 | | | | ● | 335210 | 2300 |
| DMP12-16012-K40 | 160 | 62 | 40 | 16 | 20 | 12 | MP□T120408 | M5X13 | T20 | ● | 335212 | 2300 |
| DMP12-16018-K40 | 160 | 62 | 40 | 18 | 24 | 12 | | | | ● | 335214 | 2300 |
| DMP12-16020-K40 | 160 | 62 | 40 | 20 | 26 | 12 | | | | ● | 335216 | 2300 |
| DMP12-20016-K50 | 200 | 72 | 50 | 16 | 20 | 14 | | | | ● | 335218 | 2800 |
| DMP12-20018-K50 | 200 | 72 | 50 | 18 | 24 | 14 | | | | ● | 335220 | 2800 |
| DMP12-20020-K50 | 200 | 72 | 50 | 20 | 26 | 14 | | | | ● | 335222 | 2800 |

## ■ DMP T型槽铣刀

T-Slot Side Mill

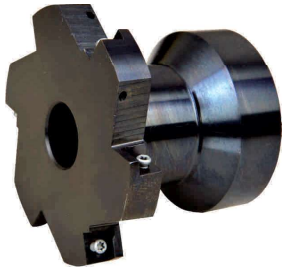


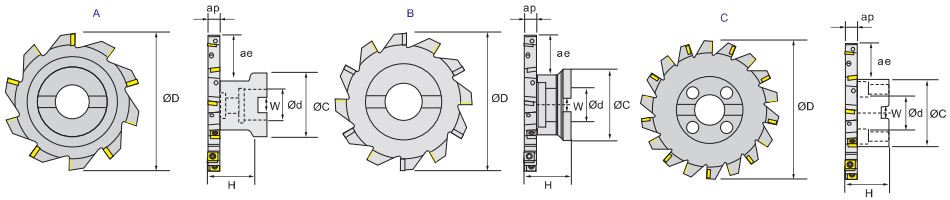

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | D1 | L | L1 | L2 | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMP06-21-9 | 21 | 25 | 10 | 100 | 9 | 32 | 1 | MPHT0603.. | M2.5×6 | T8 | ● | 335510 | 400 |
| DMP06-25-11 | 25 | 25 | 12 | 100 | 11 | 35 | 1 | MPHT0603.. | M2.5×6 | T8 | ● | 335512 | 500 |
| DMP08-32-14 | 32 | 32 | 15 | 110 | 14 | 45 | 2 | MPHT0803.. | M3×7 | T10 | ● | 335514 | 600 |
| DMP12-40-18 | 40 | 32 | 19 | 125 | 18 | 55 | 2 | MPHT1204.. | M5×11 | T20 | ● | 335516 | 700 |
| DMP12-50-22 | 50 | 40 | 25 | 140 | 22 | 65 | 2 | MPHT1204.. | M5×11 | T20 | ● | 335518 | 800 |

## ■ DMP 三面刃铣刀(刀盘型)

DMP Three-sided Edge Milling Cutter (cutter Type)





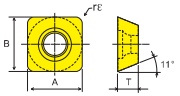

零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size ØD | ØC | Ød | ap | W | H | 齿数 Z | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMP06-08008-B22 | 80 | 45 | 22 | 8 | 10.4 | 40 | 10 | MP□T060304 | M2.5X6.5 | T8 | ● | 335300 | 1500 |
| DMP06-10008-B27 | 100 | 55 | 27 | 8 | 12.4 | 40 | 14 | | | | ● | 335302 | 1600 |
| DMP06-10010-B27 | 100 | 55 | 27 | 10 | 12.4 | 40 | 14 | | | | ● | 335304 | 1600 |
| DMP06-12510-B32 | 125 | 65 | 32 | 10 | 14.4 | 50 | 16 | | | | ● | 335306 | 1800 |
| DMP08-12512-B32 | 125 | 65 | 32 | 12 | 14.4 | 50 | 12 | MP□T080305 | M3X7 | T10 | ● | 335308 | 1800 |
| DMP08-16012-B40 | 160 | 89 | 40 | 12 | 16.4 | 50 | 14 | | | | ● | 335310 | 2500 |
| DMP08-20012-B40 | 200 | 89 | 40 | 12 | 16.4 | 50 | 18 | | | | ● | 335312 | 3000 |
| DMP12-12512-B32 | 125 | 65 | 32 | 16 | 14.4 | 50 | 10 | MP□T120408 | M5X13 | T20 | ● | 335314 | 1800 |
| DMP12-16016-B40 | 160 | 89 | 40 | 16 | 16.4 | 50 | 12 | | | | ● | 335316 | 2500 |
| DMP12-16018-B40 | 160 | 89 | 40 | 18 | 16.4 | 50 | 12 | | | | ● | 335318 | 2500 |
| DMP12-16020-B40 | 160 | 89 | 40 | 20 | 16.4 | 50 | 12 | | | | ● | 335320 | 2500 |
| DMP12-20016-B40 | 200 | 89 | 40 | 16 | 16.4 | 50 | 14 | | | | ● | 335322 | 3000 |
| DMP12-20018-B40 | 200 | 89 | 40 | 18 | 16.4 | 50 | 14 | | | | ● | 335324 | 3000 |
| DMP12-20020-B40 | 200 | 89 | 40 | 20 | 16.4 | 50 | 14 | | | | ● | 335326 | 3000 |

**SPMG** 钻孔/槽加工 有孔 铣削加工

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

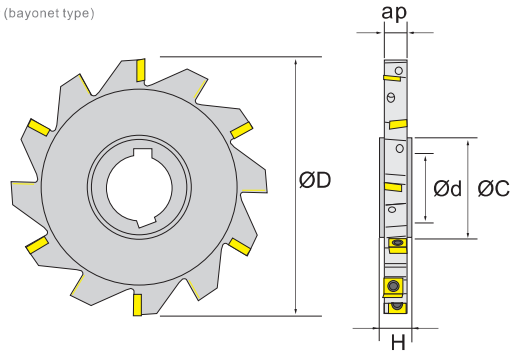
| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZP235 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 铣削刀片 Milling Insert | |  | SPMG 050204-TT | 0.4 | 5.0 | 5.0 | 2.38 | 刀柄: (Toolholder) D59-D60 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | 060204-TT | 0.4 | 6.0 | 6.0 | 2.38 | | | | | | | | | | | | |
| | | | 07T308-TT | 0.8 | 7.94 | 7.94 | 3.97 | | | | | | | | | | | | |
| | | | 090408-TT | 0.8 | 9.8 | 9.8 | 4.30 | | | | | | | | | | | | |
| | | | 110408-TT | 0.8 | 11.5 | 11.5 | 4.8 | | | | | | | | | | | | |
| | | | 140512-TT | 1.2 | 14.3 | 14.3 | 5.0 | | | | | | | | | | | | |

## ■ SMP 三面刃铣刀(卡口型)

SMP three-sided edge milling cutter (bayonet type)

零配件 (Spare Parts): P01-P04

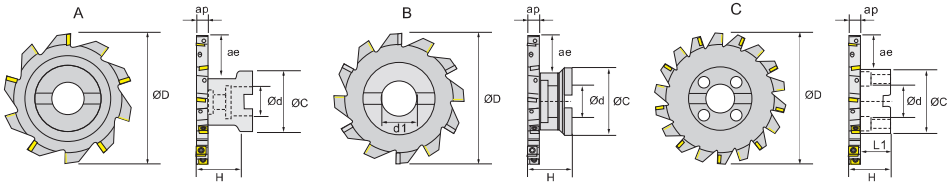


| 型号 Cat. No | 尺寸 Size ØD | ap | Ød | H | ØC | T | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMP-80-06-8T-K22 | 80 | 6 | 22 | 12 | 44 | 2X4 | SPMG050204 | TS2003 | T6 | ● | 335600 | 1400 |
| SMP-80-08-8T-K22 | | 8 | | | | | SPMG060204 | TS2202 | T6 | ● | 335602 | 1400 |
| SMP-80-10-8T-K22 | | 10 | | | | | | | | ● | 335604 | 1400 |
| SMP-80-12-8T-K22 | | 12 | | | | | SPMG07T308 | TS2511 | T8 | ● | 335606 | 1400 |
| SMP-100-06-10T-K27 | 100 | 6 | 27 | | 50 | 2X5 | SPMG050204 | TS2003 | T8 | ● | 335608 | 1500 |
| SMP-100-08-10T-K27 | | 8 | | | | | SPMG060204 | TS2202 | T8 | ● | 335610 | 1500 |
| SMP-100-10-10T-K27 | | 10 | | | | | | | | ● | 335612 | 1500 |
| SMP-100-12-10T-K27 | | 12 | | | | | SPMG07T308 | TS2511 | T8 | ● | 335614 | 1500 |
| SMP-100-14-10T-K27 | | 14 | | 16 | | | SPMG090408 | TS3504 | T15 | ● | 335616 | 1500 |
| SMP-100-16-10T-K27 | | 16 | | | | | | | | ● | 335618 | 1500 |
| SMP-125-06-12T-K32 | 125 | 6 | 32 | 12 | 65 | 2X6 | SPMG050204 | TS2003 | T6 | ● | 335620 | 1650 |
| SMP-125-08-12T-K32 | | 8 | | | | | SPMG060204 | TS2202 | T6 | ● | 335622 | 1650 |
| SMP-125-10-12T-K32 | | 10 | | | | | | | | ● | 335624 | 1650 |
| SMP-125-12-12T-K32 | | 12 | | | | | SPMG07T308 | TS2511 | T8 | ● | 335626 | 1650 |
| SMP-125-14-12T-K32 | | 14 | | 16 | | | SPMG090408 | TS3504 | T15 | ● | 335628 | 1650 |
| SMP-125-16-12T-K32 | | 16 | | | | | | | | ● | 335630 | 1650 |
| SMP-125-18-10T-K32 | | 18 | | 20 | | 2X5 | SPMG110408 | TS4006 | T15 | ● | 335632 | 1650 |
| SMP-125-20-10T-K32 | | 20 | | | | | | | | ● | 335634 | 1650 |
| SMP-125-25-10T-K32 | | 25 | | 25 | | | SPMG140512 | TS5009 | T20 | ● | 335636 | 1650 |
| SMP-160-12-16T-K40 | 160 | 12 | 40 | 12 | 75 | 2X8 | SPMG07T308 | TS2511 | T8 | ● | 335638 | 2300 |
| SMP-160-16-16T-K40 | | 16 | | 16 | | | SPMG090408 | TS3504 | T15 | ● | 335640 | 2300 |
| SMP-160-18-12T-K40 | | 18 | | 20 | | 2X6 | SPMG110408 | TS4006 | T15 | ● | 335642 | 2300 |
| SMP-160-20-12T-K40 | | 20 | | | | | | | | ● | 335644 | 2300 |
| SMP-160-25-12T-K40 | | 25 | | 25 | | | SPMG140512 | TS5009 | T20 | ● | 335646 | 2300 |
| SMP-200-16-18T-K40 | 200 | 16 | 40 | 16 | 80 | 2X9 | SPMG090408 | TS3504 | T15 | ● | 335648 | 2800 |
| SMP-200-18-14T-K40 | | 18 | | 20 | | 2X7 | SPMG110408 | TS4006 | T15 | ● | 335650 | 2800 |
| SMP-200-20-14T-K40 | | 20 | | | | | | | | ● | 335652 | 2800 |
| SMP-200-25-14T-K40 | | 25 | | 25 | | | SPMG140512 | TS5009 | T20 | ● | 335654 | 2800 |

## ■ SMP 三面刃铣刀(刀盘型)

SMP Three-sided Edge Milling Cutter (Cutter Type)

零配件 (Spare Parts): P01-P04

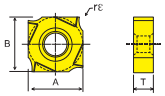



| 型号 Cat. No | 尺寸 Size ØD | ap | H | L1 | ØC | d1 | Ød | T | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMP-80-06-8T-B22 | 80 | 6 | 40 | 22 | 45 | 32 | 22 | 2X4 | SPMG050204 | TS2003 | T6 | ● | 335700 | 1500 |
| SMP-80-08-8T-B22 | | 8 | | | | | | | SPMG060204 | TS2202 | T6 | ● | 335702 | 1500 |
| SMP-80-10-8T-B22 | | 10 | | | | | | | | | | ● | 335704 | 1500 |
| SMP-80-12-8T-B22 | | 12 | | | | | | | SPMG07T308 | TS2511 | T8 | ● | 335706 | 1500 |
| SMP-100-06-10T-B27 | 100 | 6 | 40 | 22 | 50 | 32 | 27 | 2X5 | SPMG050204 | TS2003 | T8 | ● | 335708 | 1600 |
| SMP-100-08-10T-B27 | | 8 | | | | | | | SPMG060204 | TS2202 | T8 | ● | 335710 | 1600 |
| SMP-100-10-10T-B27 | | 10 | | | | | | | | | | ● | 335712 | 1600 |
| SMP-100-12-10T-B27 | | 12 | | | | | | | SPMG07T308 | TS2511 | T8 | ● | 335714 | 1600 |
| SMP-100-14-10T-B27 | | 14 | | | | | | | SPMG090408 | TS3504 | T15 | ● | 335716 | 1600 |
| SMP-100-16-10T-B27 | | 16 | | | | | | | | | | ● | 335718 | 1600 |
| SMP-125-06-12T-B32 | 125 | 6 | 45 | 25 | 70 | 46 | 32 | 2X6 | SPMG050204 | TS2003 | T6 | ● | 335720 | 1800 |
| SMP-125-08-12T-B32 | | 8 | | | | | | | SPMG060204 | TS2202 | T6 | ● | 335722 | 1800 |
| SMP-125-10-12T-B32 | | 10 | | | | | | | | | | ● | 335724 | 1800 |
| SMP-125-12-12T-B32 | | 12 | | | | | | | SPMG07T308 | TS2511 | T8 | ● | 335726 | 1800 |
| SMP-125-14-12T-B32 | | 14 | | | | | | | SPMG090408 | TS3504 | T15 | ● | 335728 | 1800 |
| SMP-125-16-12T-B32 | | 16 | | | | | | | | | | ● | 335730 | 1800 |
| SMP-125-18-10T-B32 | | 18 | | | | | | 2X5 | SPMG110408 | TS4006 | T15 | ● | 335732 | 2500 |
| SMP-125-20-10T-B32 | | 20 | | | | | | | | | | ● | 335734 | 2500 |
| SMP-125-25-10T-B32 | | 25 | | | | | | | SPMG140512 | TS5009 | T20 | ● | 335736 | 2500 |
| SMP-160-12-16T-B40 | 160 | 12 | 50 | 28 | 80 | 52 | 40 | 2X8 | SPMG07T308 | TS2511 | T8 | ● | 335738 | 2500 |
| SMP-160-16-16T-B40 | | 16 | | | | | | | SPMG090408 | TS3504 | T15 | ● | 335740 | 2500 |
| SMP-160-18-12T-B40 | | 18 | | | | | | 2X6 | SPMG110408 | TS4006 | T15 | ● | 335742 | 2500 |
| SMP-160-20-12T-B40 | | 20 | | | | | | | | | | ● | 335744 | 2500 |
| SMP-160-25-12T-B40 | | 25 | | | | | | | SPMG140512 | TS5009 | T20 | ● | 335746 | 2500 |
| SMP-200-16-18T-B40 | 200 | 16 | 50 | 28 | 80 | 52 | 40 | 2X9 | SPMG090408 | TS3504 | T15 | ● | 335748 | 3000 |
| SMP-200-18-14T-B40 | | 18 | | | | | | 2X7 | SPMG110408 | TS4006 | T15 | ● | 335750 | 3000 |
| SMP-200-20-14T-B40 | | 20 | | | | | | | | | | ● | 335752 | 3000 |
| SMP-200-25-14T-B40 | | 25 | | | | | | | SPMG140512 | TS5009 | T20 | ● | 335754 | 3000 |

XSEQ 槽加工 有孔 铣削加工

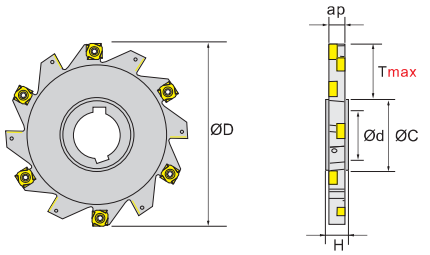
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZP235 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 铣削刀片 Milling Insert | |  | XSEQ 1202<br>1203<br>12T3<br>1204<br>12T4 | | 12.7<br>12.7<br>12.7<br>12.7<br>12.7 | 12.7<br>12.7<br>12.7<br>12.7<br>12.7 | 2.3<br>3.0<br>3.5<br>4.0<br>4.5 | 刀柄: (Toolholder) D61-D62 | | | | • | • | • | • | • | • | • | • |

## ■ SMP01 三面刃铣刀(卡口型)

SMP01 three-sided edge milling cutter (bayonet type)

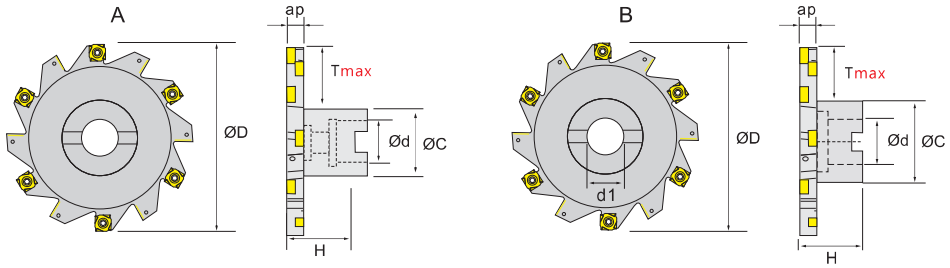



零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size ØD | ap | Ød | H | ØC | Tmax | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMP01- 100X4-K27-10 | 100 | 4 | 27 | 12 | 45 | 25 | XSEQ1202 | M4x3.2X | T15 | ● | 335800 | 1500 |
| 100X5-K27-10 | | 5 | | | | | XSEQ1203 | M4x4.2X | | ● | 335802 | 1500 |
| 100X6-K27-10 | | 6 | | | | | XSEQ12T3 | M4x5.1X | | ● | 335804 | 1500 |
| 100X7-K27-10 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335806 | 1500 |
| 100X8-K27-10 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335808 | 1500 |
| SMP01- 125X4-K40-16 | 125 | 4 | 40 | 12 | 56 | 32 | XSEQ1202 | M4x3.2X | T15 | ● | 335810 | 1800 |
| 125X5-K40-16 | | 5 | | | | | XSEQ1203 | M4x4.2X | | ● | 335812 | 1800 |
| 125X6-K40-16 | | 6 | | | | | XSEQ12T3 | M4x5.1X | | ● | 335814 | 1800 |
| 125X7-K40-16 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335816 | 1800 |
| 125X8-K40-16 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335818 | 1800 |
| SMP01- 160X4-K40-16 | 160 | 4 | 40 | 12 | 67 | 45 | XSEQ1202 | M4x3.2X | T15 | ● | 335820 | 2000 |
| 160X5-K40-16 | | 5 | | | | | XSEQ1203 | M4x4.2X | | ● | 335822 | 2000 |
| 160X6-K40-16 | | 6 | | | | | XSEQ12T3 | M4x5.1X | | ● | 335824 | 2000 |
| 160X7-K40-16 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335826 | 2000 |
| 160X8-K40-16 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335828 | 2000 |
| SMP01- 200X6-K50-18 | 200 | 6 | 50 | 12 | 71 | 62 | XSEQ12T3 | M4x5.1X | T15 | ● | 335830 | 3000 |
| 200X7-K50-18 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335832 | 3000 |
| 200X8-K50-18 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335834 | 3000 |
| SMP01- 250X6-K50-24 | 250 | 6 | 50 | 12 | 71 | 87 | XSEQ12T3 | M4x5.1X | T15 | ● | 335836 | 4000 |
| 250X7-K50-24 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335838 | 4000 |
| 250X8-K50-24 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335840 | 4000 |

## ■ SMP01 三面刃铣刀(刀盘型)

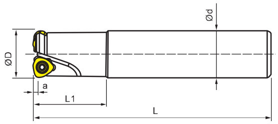
SMP01 Three-sided Edge Milling Cutter (Cutter Type)

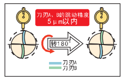



零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size ØD | ap | Ød | H | ØC | Tmax | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SMP01- 063X4-A22-08 | 63 | 4 | 22 | 40 | 32 | 14 | XSEQ1202 | M4x3.2X | T15 | ● | 335850 | 1500 |
| 063X5-A22-08 | | 5 | | | | | XSEQ1203 | M4x4.2X | | ● | 335852 | 1500 |
| 063X6-A22-08 | | 6 | | | | | XSEQ12T3 | M4x5.1X | | ● | 335854 | 1500 |
| 063X7-A22-08 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335856 | 1500 |
| 063X8-A22-08 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335858 | 1500 |
| SMP01- 080X4-A22-08 | 80 | 4 | 22 | 50 | 40 | 18 | XSEQ1202 | M4x3.2X | T15 | ● | 335860 | 1800 |
| 080X5-A22-08 | | 5 | | | | | XSEQ1203 | M4x4.2X | | ● | 335862 | 1800 |
| 080X6-A22-08 | | 6 | | | | | XSEQ12T3 | M4x5.1X | | ● | 335864 | 1800 |
| 080X7-A22-08 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335866 | 1800 |
| 080X8-A22-08 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335868 | 1800 |
| SMP01- 100X4-A27-10 | 100 | 4 | 27 | 50 | 48 | 23 | XSEQ1202 | M4x3.2X | T15 | ● | 335870 | 2000 |
| 100X5-A27-10 | | 5 | | | | | XSEQ1203 | M4x4.2X | | ● | 335872 | 2000 |
| 100X6-A27-10 | | 6 | | | | | XSEQ12T3 | M4x5.1X | | ● | 335874 | 2000 |
| 100X7-A27-10 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335876 | 2000 |
| 100X8-A27-10 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335878 | 2000 |
| SMP01- 125X6-B32-12 | 125 | 6 | 32 | 50 | 70 | 30 | XSEQ12T3 | M4x5.1X | T15 | ● | 335880 | 3000 |
| 125X7-B32-12 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335882 | 3000 |
| 125X8-B32-12 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335884 | 3000 |
| SMP01- 160X6-B40-16 | 160 | 6 | 40 | 50 | 70 | 41 | XSEQ12T3 | M4x5.1X | T15 | ● | 335886 | 4000 |
| 160X7-B40-16 | | 7 | | | | | XSEQ1204 | M4x6.1X | | ● | 335888 | 4000 |
| 160X8-B40-16 | | 8 | | | | | XSEQ12T4 | M4x7.1X | | ● | 335890 | 4000 |

## ■ AJX 快进给立铣刀
Fast Feed End Mill




切削参数 (Cutting Parameters): R19
零配件 (Spare Parts): P01-P04

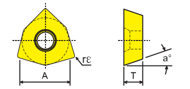
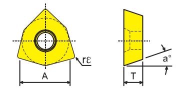
●高进给，高效率
★ The most suitable for large-feed cutting.

| 型号 Cat. No | D | d | L | L1 | a | 刃数 No. of flutes | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AJX06R16-16-120-2T | 16 | 16 | 120 | 30 | 1 | 2 | JOMW06T215ZZSR | - | M2.5×6 | T8 | ● | 321100 | - | 150 |
| AJX06R16-16-160-2T | 16 | 16 | 160 | 40 | 1 | 2 | | | | | ● | 321102 | - | 150 |
| AJX06R16-17-120-2T | 17 | 16 | 120 | 40 | 1 | 2 | | | | | ● | 321104 | - | 150 |
| AJX06R16-17-160-2T | 17 | 16 | 160 | 40 | 1 | 2 | | | | | ● | 321106 | - | 150 |
| AJX06R16-17-200-2T | 17 | 16 | 200 | 50 | 1 | 2 | | | | | ● | 321108 | - | 180 |
| AJX06R16-18-150-2T | 18 | 16 | 150 | 40 | 1 | 2 | | | | | ● | 321110 | - | 180 |
| AJX08R20-20-160-2T | 20 | 20 | 160 | 40 | 1.5 | 2 | JOMW08320ZZSR | - | M3×7 | T10 | ● | 321112 | 200 | 165 |
| AJX08R20-20-200-2T | 20 | 20 | 200 | 50 | 1.5 | 2 | | | | | ● | 321114 | 233 | 225 |
| AJX08R20-20-250-2T | 20 | 20 | 250 | 60 | 1.5 | 2 | | | | | ● | 321116 | - | 280 |
| AJX08R20-21-160-2T | 21 | 20 | 160 | 40 | 1.5 | 2 | | | | | ● | 321118 | 200 | 165 |
| AJX08R20-21-200-2T | 21 | 20 | 200 | 50 | 1.5 | 2 | | | | | ● | 321120 | 233 | 225 |
| AJX08R20-21-250-2T | 21 | 20 | 250 | 60 | 1.5 | 2 | | | | | ● | 321122 | - | 280 |
| AJX08R20-22-160-2T | 22 | 20 | 160 | 40 | 1.5 | 2 | | | | | ● | 321124 | - | 200 |
| AJX08R20-22-200-2T | 22 | 20 | 200 | 50 | 1.5 | 2 | | | | | ● | 321126 | - | 260 |
| AJX09R25-25-150-2T | 25 | 25 | 150 | 40 | 2 | 2 | JOMW09T320ZDSR | AJX-09 | M4×10 | T15 | ● | 321128 | 233 | 200 |
| AJX09R25-25-200-2T | 25 | 25 | 200 | 50 | 2 | 2 | | | | | ● | 321130 | 267 | 225 |
| AJX09R25-25-250-2T | 25 | 25 | 250 | 60 | 2 | 2 | | | | | ● | 321132 | - | 285 |
| AJX09R25-25-300-2T | 25 | 25 | 300 | 60 | 2 | 2 | | | | | ● | 321134 | - | 320 |
| AJX09R25-26-150-2T | 26 | 25 | 150 | 40 | 2 | 2 | | | | | ● | 321136 | 233 | 200 |
| AJX09R25-26-200-2T | 26 | 25 | 200 | 50 | 2 | 2 | | | | | ● | 321138 | 267 | 225 |
| AJX09R25-26-250-2T | 26 | 25 | 250 | 60 | 2 | 2 | | | | | ● | 321140 | - | 285 |
| AJX09R25-26-300-2T | 26 | 25 | 300 | 60 | 2 | 2 | | | | | ● | 321142 | - | 320 |
| AJX09R25-28-160-2T | 28 | 25 | 160 | 40 | 2 | 2 | | | | | ● | 321144 | - | 220 |
| AJX09R25-28-200-2T | 28 | 25 | 200 | 50 | 2 | 2 | | | | | ● | 321146 | - | 290 |
| AJX09R25-28-250-2T | 28 | 25 | 250 | 60 | 2 | 2 | | | | | ● | 321148 | - | 350 |
| AJX09R25-28-300-2T | 28 | 25 | 300 | 60 | 2 | 2 | | | | | ● | 321150 | - | 400 |
| AJX09R25-30-160-2T | 30 | 25 | 160 | 40 | 2 | 2 | | | | | ● | 321152 | - | 220 |
| AJX09R25-30-200-2T | 30 | 25 | 200 | 50 | 2 | 2 | | | | | ● | 321154 | - | 290 |
| AJX09R25-30-250-2T | 30 | 25 | 250 | 60 | 2 | 2 | | | | | ● | 321156 | - | 350 |
| AJX09R25-30-300-2T | 30 | 25 | 300 | 60 | 2 | 2 | | | | | ● | 321158 | - | 400 |
| AJX09R25-32-160-2T | 32 | 25 | 160 | 40 | 2 | 2 | | | | | ● | 321160 | - | 220 |
| AJX09R25-32-200-2T | 32 | 25 | 200 | 50 | 2 | 2 | | | | | ● | 321162 | - | 290 |
| AJX09R25-32-250-2T | 32 | 25 | 250 | 60 | 2 | 2 | | | | | ● | 321164 | - | 350 |
| AJX09R25-32-300-2T | 32 | 25 | 300 | 60 | 2 | 2 | | | | | ● | 321166 | - | 400 |
| AJX12R32-25-160-2T | 25 | 32 | 160 | 40 | 2 | 2 | JDMT120420ZDSR | AJX-12 | M4×10 | T15 | ● | 321168 | - | 240 |
| AJX12R32-25-200-2T | 25 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321170 | - | 270 |
| AJX12R32-25-250-2T | 25 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321172 | - | 325 |
| AJX12R32-25-300-2T | 25 | 32 | 300 | 60 | 2 | 2 | | | | | ● | 321174 | - | 400 |
| AJX12R32-30-160-2T | 30 | 32 | 160 | 40 | 2 | 2 | | | | | ● | 321176 | - | 240 |
| AJX12R32-30-200-2T | 30 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321178 | - | 270 |
| AJX12R32-30-250-2T | 30 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321180 | - | 325 |
| AJX12R32-30-300-2T | 30 | 32 | 300 | 60 | 2 | 2 | | | | | ● | 321182 | - | 400 |
| AJX12R32-32-150-3T | 32 | 32 | 150 | 40 | 2 | 3 | | | | | ● | 321184 | 267 | 240 |
| AJX12R32-32-200-3T | 32 | 32 | 200 | 50 | 2 | 3 | | | | | ● | 321186 | 317 | 270 |
| AJX12R32-32-250-3T | 32 | 32 | 250 | 60 | 2 | 3 | | | | | ● | 321188 | 367 | 325 |
| AJX12R32-32-300-3T | 32 | 32 | 300 | 60 | 2 | 3 | | | | | ● | 321190 | - | 400 |
| AJX12R32-33-160-2T | 33 | 32 | 160 | 40 | 2 | 2 | | | | | ● | 321192 | - | 240 |
| AJX12R32-33-200-2T | 33 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321194 | - | 270 |
| AJX12R32-33-250-2T | 33 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321196 | - | 325 |
| AJX12R32-35-150-3T | 35 | 32 | 150 | 40 | 2 | 3 | | | | | ● | 321198 | 267 | 240 |
| AJX12R32-35-200-3T | 35 | 32 | 200 | 50 | 2 | 3 | | | | | ● | 321200 | 317 | 270 |
| AJX12R32-35-250-3T | 35 | 32 | 250 | 60 | 2 | 3 | | | | | ● | 321202 | 367 | 325 |
| AJX12R32-35-300-3T | 35 | 32 | 300 | 60 | 2 | 3 | | | | | ● | 321204 | - | 400 |
| AJX12R32-40-150-3T | 40 | 32 | 150 | 40 | 2 | 3 | | | | | ● | 321206 | 300 | 300 |
| AJX12R32-40-200-3T | 40 | 32 | 200 | 50 | 2 | 3 | | | | | ● | 321208 | 367 | 360 |
| AJX12R32-40-250-3T | 40 | 32 | 250 | 60 | 2 | 3 | | | | | ● | 321210 | 433 | 430 |
| AJX14R42-50-180-4T | 50 | 42 | 180 | 35 | 2 | 4 | JDMT140520ZDSR | AJX-14 | M5×10 | T20 | ● | 321212 | - | 420 |

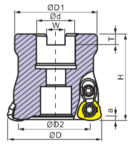
## JDMW 平面高进给 单面有孔 铣削刀片

切削形态: Cutting Environment　● 稳定切削 Stable Cutting　◐ 一般切削 General Cutting　✱ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✱ | ✱ | ✱ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✱ | ✱ | ✱ | ◐ | ● |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✱ | ✱ | ✱ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◐ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✱ | ✱ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✱ | ✱ | ◐ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | T | a° | 配套刀柄 Matching Toolholder | ZP152 | ZP153 |
|---|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High feed milling | |  | JOMW 06T215ZZSR-FT | 1.5 | 6.35 | 2.78 | 13° | 刀柄：(Toolholder) D63-D64 | ● | ● |
| | | | 080320ZZSR-FT | 2.0 | 8.0 | 3.18 | 13° | | ● | ● |
| | | | JDMW 09T320ZDSR-FT | 2.0 | 9.525 | 3.97 | 15° | | ● | ● |
| | | | 120420ZDSR-FT | 2.0 | 12.0 | 4.76 | 15° | | ● | ● |
| | | | 140520ZDSR-FT | 2.0 | 14.0 | 5.56 | 15° | | ● | ● |
| 高进给铣削加工 High feed milling | |  | JOMT 06T215ZZSR-JM | 1.5 | 6.35 | 2.78 | 13° | 刀柄：(Toolholder) D63-D64 | ● | ● |
| | | | 080320ZZSR-JM | 2.0 | 8.0 | 3.18 | 13° | | ● | ● |
| | | | JDMT 09T320ZDSR-JM | 2.0 | 9.525 | 3.97 | 15° | | ● | ● |
| | | | 120420ZDSR-JM | 2.0 | 12.0 | 4.76 | 15° | | ● | ● |
| | | | 140520ZDSR-JM | 2.0 | 14.0 | 5.56 | 15° | | ● | ● |

## ■ AJX型 快进给面铣刀盘
Fast Feed Face Milling Cutter



- ●使用15° 正角刀片
- ●双重夹紧机构刚性好
- ●最适合大进给切削
- ●具有标准冷却孔
- ●刀片为特殊形状的3刃角型号

- ★ The use of 15° positive angle blade
- ★ Double clamping body rigidity
- ★ The most suitable for large-feed cutting
- ★ With standard cooling holes
- ★ 3 for special shaped blade edge angle

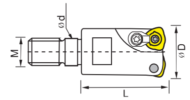
切削参数 (Cutting Parameters): R19
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | D | D1 | D2 | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AJX12R50-22-3T | 50 | 47 | 38.3 | 22 | 50 | 10.4 | 6.3 | 1.5 | JDMW120420ZDSR-FT | AJX-12 | M4×10 | T15 | ● | 321200 | 283 | 280 |
| AJX12R50-22-4T | 50 | 47 | 38.3 | 22 | 50 | 10.4 | 6.3 | 1.5 | | | | | ● | 321202 | 317 | 280 |
| AJX12R63-22-4T | 63 | 30 | 51.3 | 22 | 50 | 10.4 | 6.3 | 1.5 | | | | | ● | 321204 | 483 | 350 |
| AJX14R63-22-3T | 63 | 30 | 51.1 | 22 | 50 | 10.4 | 6.3 | 2 | JDMW140520ZDSR-FT | AJX-14 | M5×12 | T20 | ● | 321206 | 283 | 350 |
| AJX14R63-22-4T | 63 | 30 | 51.1 | 22 | 50 | 10.4 | 6.3 | 2 | | | | | ● | 321208 | 317 | 350 |
| AJX14R80-27-4T | 80 | 76 | 68.1 | 27 | 50 | 12.4 | 7 | 2 | | | | | ● | 321210 | 483 | 600 |
| AJX14R100-32-5T | 100 | 96 | 88.1 | 32 | 50 | 14.4 | 8 | 2 | | | | | ● | 321212 | 700 | 800 |

## ■ AJX高进给铣刀头
AJX High Feed Milling Head

- 低转速, 高进给
  切削效率是普通圆鼻面铣刀盘的3倍
  锥形设计, 钢性高

- Low-speed, high feed
  Cutting efficiency of an ordinary cutter round nose and face plate 3 times
  Cone design, steel high



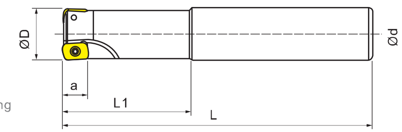

切削参数 (Cutting Parameters): R19
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | D | L | d | M | Teeth | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AJX06R162AM0830 | 16 | 30 | 8.5 | M8 | 2 | JOMW06T215 ZZSR-FT | - | M2.5X6 | T8 | ● | 321300 | 150 |
| AJX06R172AM0830 | 17 | 30 | 8.5 | M8 | 2 | | | | | ● | 321302 | 150 |
| AJX08R202AM1030 | 20 | 30 | 10.5 | M10 | 2 | JOMW080320 ZZSR-FT | - | M3X6 | T15 | ● | 321304 | 160 |
| AJX08R212AM1030 | 21 | 30 | 10.5 | M10 | 2 | | | | | ● | 321306 | 160 |
| AJX08R222AM1030 | 22 | 30 | 10.5 | M10 | 2 | | | | | ● | 321308 | 200 |
| AJX09R252AM1235 | 25 | 35 | 12.5 | M12 | 2 | JDMW09T320 ZDSR-JM | AJX09 | M3.5X8 | T15 | ● | 321310 | 160 |
| AJX09R262AM1235 | 26 | 35 | 12.5 | M12 | 2 | | | | | ● | 321312 | 200 |

刀杆刀盘
直角台肩立铣刀
圆角铣刀
球头铣刀
钻铣刀杆
倒角刀杆
玉米铣刀
三面刃槽刀
快进给系列
龙门平面铣刀
锁牙式刀柄

## ■ ASR 快进给立铣刀

Fast Feed End Mill




- 双重夹紧机构刚性好
- 最适合大进给切削
- 具有标准冷却孔
- 刀片为特殊形状的4刃角型号

★ Double clamping body rigidity
★ The most suitable for large-feed cutting
★ With standard cooling holes
★ 4 for special shaped blade edge angle

切削参数 (Cutting Parameters): R21
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | 刃数 No. of flutes | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASR06R16-16-120-2T | 16 | 16 | 120 | 40 | 2 | EPNW0603TN-8 EPMT0603TN-8 | M2.5×6 | T8 | ● | 321500 | 100 | 150 |
| ASR06R16-16-150-2T | 16 | 16 | 150 | 40 | 2 | | | | ● | 321502 | 100 | 160 |
| ASR06R16-16-200-2T | 16 | 16 | 200 | 50 | 2 | | | | ● | 321504 | 133 | 180 |
| ASR06R16-17-120-2T | 17 | 16 | 120 | 40 | 2 | | | | ● | 321506 | 100 | 150 |
| ASR06R16-17-150-2T | 17 | 16 | 150 | 40 | 2 | | | | ● | 321508 | 100 | 160 |
| ASR06R16-17-200-2T | 17 | 16 | 200 | 50 | 2 | | | | ● | 321510 | 133 | 180 |
| ASR06R20-20-120-3T | 20 | 20 | 120 | 40 | 3(2) | | | | ● | 321512 | - | 160 |
| ASR06R20-20-150-3T | 20 | 20 | 150 | 40 | 3(2) | | | | ● | 321514 | 150 | 170 |
| ASR06R20-20-200-3T | 20 | 20 | 200 | 50 | 3(2) | | | | ● | 321516 | 183 | 200 |
| ASR06R20-21-120-3T | 21 | 20 | 120 | 40 | 3(2) | | | | ● | 321518 | - | 170 |
| ASR06R20-21-150-3T | 21 | 20 | 150 | 40 | 3(2) | | | | ● | 321520 | 150 | 170 |
| ASR06R20-21-200-3T | 21 | 20 | 200 | 50 | 3(2) | | | | ● | 321522 | 183 | 200 |
| ASR06R25-25-150-3T | 25 | 25 | 150 | 50 | 3(4) | | | | ● | 321524 | 183 | 175 |
| ASR06R25-25-200-3T | 25 | 25 | 200 | 50 | 3(4) | | | | ● | 321526 | 217 | 225 |
| ASR06R25-25-250-3T | 25 | 25 | 250 | 60 | 3(4) | | | | ● | 321528 | 250 | 260 |
| ASR06R25-26-150-3T | 26 | 25 | 150 | 50 | 3(4) | | | | ● | 321530 | 183 | 180 |
| ASR06R25-26-200-3T | 26 | 25 | 200 | 50 | 3(4) | | | | ● | 321532 | 217 | 240 |
| ASR06R25-26-250-3T | 26 | 25 | 250 | 60 | 3(4) | | | | ● | 321534 | 250 | 260 |
| ASR06R25-28-180-4T | 28 | 25 | 180 | 60 | 4 | | | | ● | 321536 | - | 220 |
| ASR06R25-30-200-4T | 30 | 25 | 200 | 60 | 4 | | | | ● | 321538 | - | 260 |
| ASR06R25-30-250-4T | 30 | 25 | 250 | 60 | 4 | | | | ● | 321540 | - | 300 |
| ASR06R32-32-150-4T | 32 | 32 | 150 | 50 | 4(5) | | | | ● | 321542 | 233 | 260 |
| ASR06R32-32-200-4T | 32 | 32 | 200 | 60 | 4(5) | | | | ● | 321544 | 300 | 285 |
| ASR06R32-32-250-4T | 32 | 32 | 250 | 60 | 4(5) | | | | ● | 321546 | 367 | 350 |
| ASR06R32-33-160-4T | 33 | 32 | 160 | - | 4 | | | | ● | 321548 | - | 260 |
| ASR06R32-33-200-4T | 33 | 32 | 200 | - | 4 | | | | ● | 321550 | - | 285 |
| ASR06R32-35-150-4T | 35 | 32 | 150 | 50 | 4(5) | | | | ● | 321552 | 267 | 300 |
| ASR06R32-35-200-4T | 35 | 32 | 200 | 50 | 4(5) | | | | ● | 321554 | 333 | 380 |
| ASR06R32-35-250-4T | 35 | 32 | 250 | 60 | 4(5) | | | | ● | 321556 | 417 | 450 |
| ASR06R32-40-150-4T | 40 | 32 | 150 | 50 | 4(6) | | | | ● | 321558 | 300 | 350 |
| ASR06R32-40-200-4T | 40 | 32 | 200 | 50 | 4(6) | | | | ● | 321560 | 367 | 450 |
| ASR06R32-40-250-4T | 40 | 32 | 250 | 60 | 4(6) | | | | ● | 321562 | 467 | 600 |
| ASR08R20-20-130-2T | 20 | 20 | 130 | 50 | 2 | EPNW0803TN-10 EPEW0803TN-10 | M3.5×8 | T15 | ● | 321564 | - | 180 |
| ASR08R20-20-180-2T | 20 | 20 | 180 | 100 | 2 | | | | ● | 321566 | - | 230 |
| ASR08R20-20-250-2T | 20 | 20 | 250 | 130 | 2 | | | | ● | 321568 | - | 280 |
| ASR10R25-25-140-2T | 25 | 25 | 140 | 60 | 2 | EDNW10T3TN-10 EDEW10T3TN-10 | M4×9 压板ASR10Y 压板螺丝MS3508 | T15 | ● | 321570 | - | 200 |
| ASR10R25-25-200-2T | 25 | 25 | 200 | 120 | 2 | | | | ● | 321572 | - | 260 |
| ASR10R25-25-300-2T | 25 | 25 | 300 | 180 | 2 | | | | ● | 321574 | - | 350 |
| ASR13R32-30-150-2T | 30 | 32 | 150 | 70 | 2 | ED..13T4TN-15(Z) ED.W13T4TN-10 | M5×10 压板ASR13Y 压板螺丝MS4009 | T20 | ● | 321576 | - | 220 |
| ASR13R32-30-200-2T | 30 | 32 | 200 | 120 | 2 | | | | ● | 321578 | - | 300 |
| ASR13R32-30-300-2T | 30 | 32 | 300 | 180 | 2 | | | | ● | 321580 | - | 380 |
| ASR13R32-32-150-2T | 32 | 32 | 150 | 70 | 2 | | | | ● | 321582 | - | 280 |
| ASR13R32-32-200-2T | 32 | 32 | 200 | 120 | 2 | | | | ● | 321584 | - | 350 |
| ASR13R32-32-300-2T | 32 | 32 | 300 | 180 | 2 | | | | ● | 321586 | - | 500 |

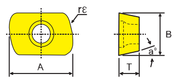
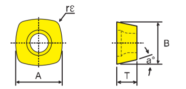
■ 刀杆先进行整体热处理(硬度达到48HRC)，然后再精修。避免二次热处理时使刀体产生变形，从而确保了精度和超强的钢性。

■ Arbor before an overall heat treatment (hardness reached 48 HRC), and then intensive. To avoid secondary heat treatment to make cutter body deformation. So as to ensure the accuracy of the tolerance range and superior rigidity.

## EPNW SDNW 平面高进给 单面有孔 铣削刀片

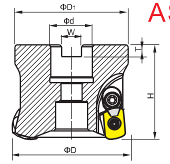
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◑ 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◑ | | ◑ | ✖ | ✖ | ✖ | ◑ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◑ | | ◑ | ✖ | ✖ | ✖ | ◑ | ● |
| K | 铸铁 | Iron | | ● | | ◑ | | ◑ | ✖ | ✖ | ✖ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◑ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✖ | ✖ | ◑ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✖ | ✖ | ◑ | ● |

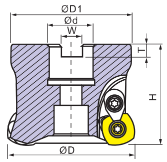
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | rε | A | B | T | a° | 配套刀柄 Matching Toolholder | ZP150 | ZP152 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High feed milling | |  | EPNW 0603TN-8 | 8 | 10 | 6.35 | 3.18 | 11° | 刀柄: (Toolholder) D65-D66 | • | • |
| | | | EPMT 0603TN-8 | 8 | 12 | 6.35 | 3.18 | 11° | | • | • |
| | | | EDNW 12T3TN-10 | 10 | 10 | 10 | 3.97 | 15° | | • | • |
| | | | EDMT 12T3TN-10 | 10 | 12 | 10 | 3.97 | 15° | | • | • |
| 高进给铣削加工 High feed milling | |  | EPNW 0803TN-10 | 10 | 8.1 | 8.1 | 3.18 | 11° | 刀柄: (Toolholder) D65-D66 | • | • |
| | | | EDNW 10T3TN-10 | 10 | 10 | 10 | 3.97 | 15° | | • | • |
| | | | SDNW 1205ZDTN-R15 | 15 | 12.7 | 12.7 | 5.56 | 15° | | • | • |
| | | | SDMT 1205ZDTN-R15 | 15 | 12.7 | 12.7 | 5.56 | 15° | | • | • |
| | | | EDNW 13T4TN-10 | 10 | 13.5 | 13.5 | 5.56 | 15° | | • | • |
| | | | 13T4TN-15 | 15 | 13.5 | 13.5 | 5.56 | 15° | | • | • |
| | | | SDNW 1505ZDTN-R15 | 15 | 15.875 | 15.875 | 5.56 | 15° | | • | • |
| | | | SDMT 1505ZDTN-R15 | 15 | 15.875 | 15.875 | 5.56 | 15° | | • | • |
| | | | 带修光刃 1505ZDTN-C15 | 15 | 15.875 | 15.875 | 5.56 | 15° | | • | • |

## ASR 快进给壳形铣刀

Fast Feed Shell Milling Cutter




## ASF

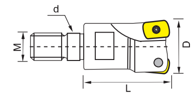



切削参数 (Cutting Parameters): R21
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 尺寸 Size D | D1 | d | H | W | T | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASR06R50-22-4T | 50 | 47 | 22 | 50 | 10.4 | 6.3 | EPNW0603TN-8 EPMT0603TN-8 | | M2.5×6 | T8 | ● | 321700 | 280 |
| ASR06R63-22-4T | 63 | 60 | 22 | 50 | 10.4 | 6.3 | | | | | ● | 321702 | 350 |
| ASF15R80-27-5T | 80 | 70 | 27 | 50 | 12.4 | 7 | SDNW1505ZDTN-R15 SDMT1505ZDTN-R15 SDEW1505ZDTN-R15 | ASRT 15 | M5×12 | T20 | ● | 321704 | 600 |
| ASF15R100-32-5T | 100 | 90 | 32 | 50 | 14.4 | 8 | | | | | ● | 321706 | 800 |
| ASF15R125-40-6T | 125 | 90 | 40 | 50 | 16.4 | 9 | | | | | ● | 321708 | 1000 |
| ASF15R160-40-8T | 160 | 120 | 40 | 50 | 16.4 | 9 | | | | | ● | 321710 | 1200 |
| ASF15R200-60-8T | 200 | 120 | 60 | 50 | 25.7 | 14 | | | | | ● | 321712 | 1600 |
| ASF15R200-60-10T | 200 | 120 | 60 | 50 | 25.7 | 14 | | | | | ● | 321714 | 1800 |

## ■ ASRM 高进给圆弧铣刀

ASRM Super Radius Mill



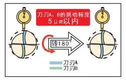

切削参数 (Cutting Parameters): R21
零配件 (Spare Parts): P01-P04

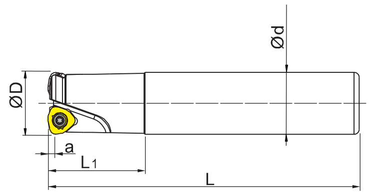
| 型号 Cat. No | 尺寸 Size D | L | d | M | Teeth | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ASRM2016R-2 | 16 | 25 | 8.5 | M8 | 2 | EPNW0603TN-8 EPMT0603TN-8 EPMT0603EN-8LF | M2.5X6 | T8 | ● | 321800 | 300 |
| ASRM2017R-2 | 17 | 25 | 8.5 | M8 | 2 | | | | ● | 321802 | 300 |
| ASRM2018R-2 | 18 | 25 | 8.5 | M8 | 2 | | | | ● | 321804 | 300 |
| ASRM2020R-3 | 20 | 30 | 10.5 | M10 | 3 | | | | ● | 321806 | 300 |
| ASRM2021R-3 | 21 | 30 | 10.5 | M10 | 3 | | | | ● | 321808 | 300 |
| ASRM2022R-3 | 22 | 30 | 10.5 | M10 | 3 | | | | ○ | 321810 | 400 |
| ASRM2025R-4 | 25 | 35 | 12.5 | M12 | 4 | | | | ● | 321812 | 450 |
| ASRM2026R-4 | 26 | 35 | 12.5 | M12 | 4 | | | | ● | 321814 | 450 |
| ASRM2028R-4 | 28 | 35 | 12.5 | M12 | 4 | | | | ○ | 321816 | 460 |
| ASRM2030R-4 | 30 | 40 | 17 | M16 | 4 | | | | ○ | 321818 | 500 |
| ASRM2032R-5 | 32 | 40 | 17 | M16 | 5 | | | | ○ | 321820 | 500 |
| ASRM2040R-6 | 40 | 40 | 17 | M16 | 6 | EPNW0803TN-10 EPEW0803TN-10 | M3.5×8 | T15 | ○ | 321822 | 560 |
| ASRM0020-2 | 20 | 30 | 10.5 | M10 | 2 | | | | ○ | 321824 | 350 |
| ASRM0021-2 | 21 | 30 | 10.5 | M10 | 2 | EDNW10T3TN-10 EDEW10T3TN-10 | M4×9 压板ASR10Y 压板螺丝MS3508 | T15 | ○ | 321826 | 350 |
| ASRM0025-2 | 25 | 35 | 12.5 | M12 | 2 | | | | ○ | 321828 | 500 |
| ASRM0026-2 | 26 | 35 | 12.5 | M12 | 2 | | | | ○ | 321830 | 500 |
| ASRM0030-3 | 30 | 40 | 17 | M16 | 3 | | | | ○ | 321832 | 550 |
| ASRM0032-3 | 32 | 40 | 17 | M16 | 3 | | | | ○ | 321834 | 550 |
| ASRM0035-3 | 35 | 40 | 17 | M16 | 3 | | | | ○ | 321836 | 600 |
| ASRM0040-4 | 40 | 40 | 17 | M16 | 4 | | | | ○ | 321838 | 600 |

刀杆刀盘
直角台肩立铣刀
圆角铣刀
球头铣刀
钻铣刀杆
倒角刀杆
玉米铣刀
三面刃槽刀
快进给系列
龙门平面铣刀
锁牙式刀柄

## SKS 快进给立铣刀

SKS High feedrate end mill






切削参数 (Cutting Parameters): R20
零配件 (Spare Parts): P01-P04

● 最适合大进给切削

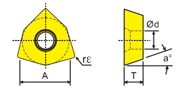
★ The most suitable for large-feed cutting.

| 型号 Cat. No | 尺寸 Size D | d | L | L1 | a | 刃数 No. of flutes | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SKS04R16-16-150-2T | 16 | 16 | 150 | 30 | 1 | 2 | WOMW04T215 | -- | M2.5x6 | T8 | ● | 321900 | - | 185 |
| SKS04R16-17-70-2T | 17 | 16 | 70 | 30 | 1 | 2 | | | | | ● | 321902 | - | 180 |
| SKS04R16-17-110-2T | 17 | 16 | 110 | 30 | 1 | 2 | | | | | ● | 321904 | - | 180 |
| SKS04R16-17-150-2T | 17 | 16 | 150 | 30 | 1 | 2 | | | | | ● | 321906 | - | 185 |
| SKS05R20-20-130-2T | 20 | 20 | 130 | 30 | 1.5 | 2 | WOMW050316 | -- | M3x7 | T10 | ● | 321908 | - | 200 |
| SKS05R20-20-180-2T | 20 | 20 | 180 | 40 | 1.5 | 2 | | | | | ● | 321910 | - | 220 |
| SKS05R20-20-200-2T | 20 | 20 | 200 | 40 | 1.5 | 2 | | | | | ● | 321912 | - | 220 |
| SKS05R20-20-250-2T | 20 | 20 | 250 | 50 | 1.5 | 2 | | | | | ● | 321914 | - | 250 |
| SKS05R20-21-130-2T | 21 | 20 | 130 | 30 | 1.5 | 2 | | | | | ● | 321916 | 233 | 200 |
| SKS05R20-21-160-2T | 21 | 20 | 160 | 30 | 1.5 | 2 | | | | | ● | 321918 | - | 200 |
| SKS05R20-21-200-2T | 21 | 20 | 200 | 40 | 1.5 | 2 | | | | | ● | 321920 | 267 | 250 |
| SKS06R25-25-140-2T | 25 | 25 | 140 | 30 | 2 | 2 | WDMW06T320 | SKS-06 | M4x10 | T15 | ● | 321922 | - | 240 |
| SKS06R25-25-160-2T | 25 | 25 | 160 | 30 | 2 | 2 | | | | | ● | 321924 | - | 240 |
| SKS06R25-25-200-2T | 25 | 25 | 200 | 40 | 2 | 2 | | | | | ● | 321926 | 233 | 260 |
| SKS06R25-25-250-2T | 25 | 25 | 250 | 50 | 2 | 2 | | | | | ● | 321928 | - | 320 |
| SKS06R25-25-300-2T | 25 | 25 | 300 | 60 | 2 | 2 | | | | | ● | 321930 | 267 | 380 |
| SKS06R25-26-140-2T | 26 | 25 | 140 | 30 | 2 | 2 | | | | | ● | 321932 | 267 | 240 |
| SKS06R25-26-160-2T | 26 | 25 | 160 | 30 | 2 | 2 | | | | | ● | 321934 | 317 | 240 |
| SKS06R25-26-200-2T | 26 | 25 | 200 | 40 | 2 | 2 | | | | | ● | 321936 | 367 | 260 |
| SKS06R32-32-150-3T | 32 | 32 | 150 | 30 | 2 | 3 | | | | | ● | 321938 | 267 | 260 |
| SKS06R32-32-200-3T | 32 | 32 | 200 | 40 | 2 | 3 | | | | | ● | 321940 | 317 | 330 |
| SKS06R32-32-250-3T | 32 | 32 | 250 | 50 | 2 | 3 | | | | | ● | 321942 | 367 | 380 |
| SKS06R32-35-150-3T | 35 | 32 | 150 | 30 | 2 | 3 | | | | | ● | 321944 | 300 | 260 |
| SKS06R32-35-200-3T | 35 | 32 | 200 | 40 | 2 | 3 | | | | | ● | 321946 | 367 | 330 |
| SKS06R32-35-250-3T | 35 | 32 | 250 | 50 | 2 | 3 | | | | | ● | 321948 | 433 | 380 |
| SKS06R32-40-150-3T | 40 | 32 | 150 | 30 | 2 | 3 | | | | | ● | 321950 | - | 280 |
| SKS06R32-40-200-3T | 40 | 32 | 200 | 40 | 2 | 3 | | | | | ● | 321952 | - | 350 |
| SKS06R32-40-250-3T | 40 | 32 | 250 | 50 | 2 | 3 | | | | | ● | 321954 | - | 420 |
| SKS08R32-32-160-2T | 32 | 32 | 160 | 40 | 2 | 2 | WDMW080520 | SKS-08 | M4.5x10 / M5x11 | T15 | ● | 321956 | - | 280 |
| SKS08R32-32-200-2T | 32 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321958 | - | 320 |
| SKS08R32-32-250-2T | 32 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321960 | - | 380 |
| SKS08R32-32-300-2T | 32 | 32 | 300 | 80 | 2 | 2 | | | | | ● | 321962 | - | 450 |
| SKS08R32-32-350-2T | 32 | 32 | 350 | 90 | 2 | 2 | | | | | ● | 321964 | - | 560 |
| SKS08R32-33-160-2T | 33 | 32 | 160 | 40 | 2 | 2 | | | | | ● | 321966 | - | 300 |
| SKS08R32-33-200-2T | 33 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321968 | - | 320 |
| SKS08R32-33-250-2T | 33 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321970 | - | 380 |
| SKS08R32-33-300-2T | 33 | 32 | 300 | 80 | 2 | 2 | | | | | ● | 321972 | - | 450 |
| SKS08R32-33-350-2T | 33 | 32 | 350 | 90 | 2 | 2 | | | | | ● | 321974 | - | 560 |
| SKS08R32-35-160-2T | 35 | 32 | 160 | 40 | 2 | 2 | | | | | ● | 321976 | - | 300 |
| SKS08R32-35-200-2T | 35 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321978 | - | 320 |
| SKS08R32-35-250-2T | 35 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321980 | - | 380 |
| SKS08R32-35-300-2T | 35 | 32 | 300 | 80 | 2 | 2 | | | | | ● | 321982 | - | 450 |
| SKS08R32-35-350-2T | 35 | 32 | 350 | 90 | 2 | 2 | | | | | ● | 321984 | - | 560 |
| SKS08R32-40-160-2T | 40 | 32 | 160 | 40 | 2 | 2 | | | | | ● | 321986 | - | 330 |
| SKS08R32-40-200-2T | 40 | 32 | 200 | 50 | 2 | 2 | | | | | ● | 321988 | - | 350 |
| SKS08R32-40-250-2T | 40 | 32 | 250 | 60 | 2 | 2 | | | | | ● | 321990 | - | 380 |
| SKS08R32-40-300-2T | 40 | 32 | 300 | 80 | 2 | 2 | | | | | ● | 321992 | - | 460 |
| SKS08R32-40-350-2T | 40 | 32 | 350 | 90 | 2 | 2 | | | | | ● | 321994 | - | 580 |

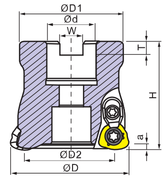
## WDMW 平面高进给 单面有孔 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◕ 一般切削 General Cutting ✖ 不稳定切削 Unstable Cutting

| | | | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◕ | | ◕ | ✖ | ✖ | ✖ | ◕ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◕ | | ◕ | ✖ | ✖ | ✖ | ◕ | ● |
| K | 铸铁 | Iron | | ● | | ◕ | | ◕ | ✖ | ✖ | ✖ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ◕ | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✖ | ✖ | ◕ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✖ | ✖ | ◕ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | T | a° | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High feed milling | |  | WOMW 04T215ZER | 1.5 | 6.5 | 2.8 | 13° | 刀柄: (Toolholder) D67-D68 | | | | | | | ● | | ● | ● | |
| | | | WDMW 050316ZER | 1.6 | 8 | 3.2 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 050316ZTR | 1.6 | 8 | 3.2 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 06T320ZER | 2.0 | 10 | 3.97 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 06T320ZTR | 2.0 | 10 | 3.97 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 080520ZER | 2.0 | 13 | 5.5 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 080520ZTR | 2.0 | 13 | 5.5 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 10X620ZER | 2.0 | 16 | 6 | 13° | | | | | | | | ● | | ● | ● | |
| | | | 10X620ZTR | 2.0 | 16 | 6 | 13° | | | | | | | | ● | | ● | ● | |

## SKS型 快进给面铣刀盘



切削参数 (Cutting Parameters): R20
零配件 (Spare Parts): P01-P04

- 使用15°正角刀片
- 双重夹紧机构刚性好
- 最适合大进给切削
- 具有标准冷却孔
- 刀片为特殊形状的3刃角型号

★ The use of 11° positive angle blade
★ Double clamping body rigidity
★ The most suitable for large-feed cutting
★ With standard cooling holes
★ 3 for special shaped blade edge angle

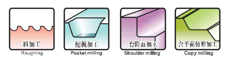
| 型号 Cat. No | 尺寸 Size D | D1 | d | H | W | T | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SKS08R50-22-4T | 50 | 47 | 22 | 50 | 10.4 | 6.3 | WDMW080520ZTR | SKS-08 | M4.5×10.5 M5×11 | T20 | | 322100 | 283 | 280 |
| SKS08R63-22-4T | 63 | 60 | 22 | 50 | 10.4 | 6.3 | | | | | ● | 322102 | 317 | 350 |
| SKS08R66-27-4T | 66 | 60 | 27 | 50 | 12.4 | 7 | | | | | ● | 322104 | - | 500 |
| SKS08R80-27-5T | 80 | 70 | 27 | 55 | 12.4 | 7 | | | | | ● | 322106 | 483 | 600 |
| SKS08R100-32-6T | 100 | 90 | 32 | 55 | 14.4 | 8 | | | | | ● | 322108 | 700 | 800 |
| SKS10R63-22-4T | 63 | 60 | 22 | 50 | 10.4 | 6.3 | WDMT10X6202TR | SKS-10 | M4.5×10.5 M5×11 | T20 | ● | 322110 | 300 | 425 |
| SKS10R63-27-4T | 63 | 60 | 27 | 50 | 12.4 | 7 | | | | | ● | 322112 | 350 | 460 |
| SKS10R80-27-5T | 80 | 76 | 27 | 55 | 12.4 | 7 | | | | | ● | 322114 | 500 | 700 |
| SKS10R100-32-6T | 100 | 96 | 32 | 55 | 14.4 | 8 | | | | | ● | 322116 | 700 | 960 |

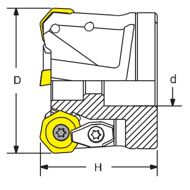
- 低转速，高进给
  切削效率是普通圆鼻面铣刀盘的3倍
  锥形设计，钢性高

- Low-speed, high feed
  Cutting efficiency of an ordinary cutter round nose and face plate 3 times
  Cone design, steel high

## HEP 系列七角面铣刀盘

HEP Series Seven Angle Face Milling Cutter






切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

● 高效大进给，七角经济性好！

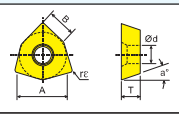
★ High feed, seven angle good economy!

| 型号 Cat. No | 刃数 Blade number | 直径 D Diameter | 内孔d Inner hole | 高度 H Height | 端面直径 Face diameter | 重量 Weight | 刀片 Insert | Stock | Order Number | 单价 Price |
|---|---|---|---|---|---|---|---|---|---|---|
| HEP-4063R-08-22 | 4 | 63 | 22 | 50 | 60 | 1.1 | XDMT080620 | ● | 322600 | 460 |
| HEP-5080R-08-27 | 5 | 80 | 27 | 55 | 76 | 1.9 | | ● | 322602 | 800 |
| HEP-6100R-08-32 | 6 | 100 | 32 | 60 | 96 | 3.6 | | ● | 322604 | 1050 |
| HEP-7125R-08-40 | 7 | 125 | 40 | 65 | 100 | 5.5 | | ● | 322606 | 1400 |
| HEP-8160R-08-40 | 8 | 160 | 40 | 65 | 100 | 8.4 | | ● | 322608 | 1800 |
| HEP-9200R-08-60 | 9 | 200 | 60 | 65 | 140 | 10.2 | | ● | 322610 | 2570 |

# WPMT 平面高进给单面有孔铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ◐ ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ◐ ◐ ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ◐ ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

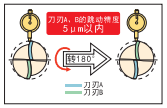
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | Ød | T | a° | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC325 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High Feed Milling | |  | WPGT 050315ZSR | 1.5 | 7.94 | 6 | 3.5 | 11° | 刀柄: (Toolholder) D69 | | | | | | | ● | ● | ● | ● | ● |
| | | | 060415ZSR | 1.5 | 9.525 | | 4.2 | 11° | | | | | | | | ● | ● | ● | ● | ● |
| | | | 080615ZSR | 1.5 | 12.85 | | 6.35 | 11° | | | | | | | | ● | ● | ● | ● | ● |
| | | | 090725ZSR | 2.5 | 15 | | 7.0 | 11° | | | | | | | | ● | ● | ● | ● | ● |
| | | | 050315ZSR-PM | 1.5 | 7.94 | | 3.5 | 11° | | | | | | | | ● | ● | ● | ● | ● |
| | | | 060415ZSR-PM | 1.5 | 9.525 | | 4.2 | 11° | | | | | | | | ● | ● | ● | ● | ● |
| | | | 080615ZSR-PM | 1.5 | 12.85 | | 6.35 | 11° | | | | | | | | ● | ● | ● | ● | ● |
| | | | 090725ZSR-PM | 2.5 | 15 | | 7.0 | 11° | | | | | | | | ● | ● | ● | ● | ● |

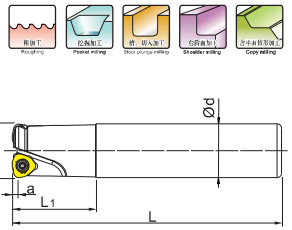
槽型说明:
ZSR-PM槽型刃口锋利，适合应用于机床功率不足及不锈钢/钛合金等较粘材料的加工。
ZSR槽型刃口较钝，适合应用于淬硬钢及铸铁等硬材料加工。

Groove type description:
ZSR-PM has a sharp groove edge, which is suitable for the machining of less power of machine tools and more sticky materials such as stainless steel / titanium alloy.
ZSR groove edge is blunt, which is suitable for hard material processing such as hardened steel and cast iron.

## ■ TXP 快进给立铣刀

TXP High Feedrate End Mill



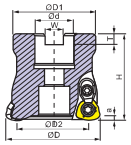

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

● 最适合大进给切削 ★ The most suitable for large-feed cutting.

| 型号 Cat. No | 刃数 No.of flutes | 尺寸 Size D | d | L | L1 | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TXP06R25-25-160-2T | 2 | 25 | 25 | 160 | 80 | 2 | WPMW06X415ZPR | EXP-06 | M4X10 | T15 | ● | 322300 | 240 |
| TXP06R25-26-200-2T | 2 | 26 | 25 | 200 | -- | 2 | | | | | ● | 322302 | 260 |
| TXP06R32-33-160-3T | 3 | 33 | 32 | 160 | -- | 2 | | | | | ● | 322304 | 300 |
| TXP06R32-33-200-3T | 3 | 33 | 32 | 200 | -- | 2 | | | | | ● | 322306 | 320 |
| TXP06R32-35-200-3T | 3 | 35 | 32 | 200 | -- | 2 | | | | | ● | 322308 | 350 |
| TXP06R32-40-200-3T | 3 | 40 | 32 | 200 | -- | 2 | | | | | ● | 322310 | 400 |
| TXP06R32-40-250-3T | 3 | 40 | 32 | 250 | -- | 2 | | | | | ● | 322312 | 450 |
| TXP08R32-35-200-2T | 2 | 35 | 32 | 200 | -- | 2 | WPMT080615ZSR | EXP-08 | M5X11 | T20 | ● | 322314 | 350 |

## ■ TXP型 快进给面铣刀盘

Fast Feed Face Milling Cutter




切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

- 使用11°正角刀片
- 双重夹紧机构刚性好
- 最适合大进给切削
- 具有标准冷却孔
- 刀片为特殊形状的3刃角型号

★ The use of 11° positive angle blade
★ Double clamping body rigidity
★ The most suitable for large-feed cutting
★ With standard cooling holes
★ 3 for special shaped blade edge angle

| 型号 Cat. No | 尺寸 Size D | D1 | D2 | d | H | W | T | a | 刀片 Insert | 压板 Clamp | 螺钉 Screw | 扳手 Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TXP06R50-22-4T | 50 | 47 | 41.4 | 22 | 50 | 10.4 | 6.3 | 1.5 | WPMW06X415ZPR | TXP-06 | M4×10 | T15 | ● | 322400 | - | 280 |
| TXP08R50-22-3T | 50 | 47 | 38.6 | 22 | 50 | 10.4 | 6.3 | 1.5 | WPMT080615ZSR | TXP-08 | M5×11 | T20 | ● | 322402 | 283 | 280 |
| TXP08R63-22-4T | 63 | 59 | 51.6 | 22 | 50 | 10.4 | 6.3 | 1.5 | | | | | ● | 322404 | 317 | 350 |
| TXP08R80-27-4T | 80 | 70 | 68.6 | 27 | 50 | 12.4 | 7 | 1.5 | | | | | ● | 322406 | 483 | 600 |
| TXP08R100-32-6T | 100 | 90 | 88.6 | 22 | 50 | 14.4 | 8 | 1.5 | | | | | ● | 322408 | 700 | 800 |



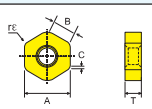


# HNGX 正六边形有孔双面铣削刀片

刀片(Insert):
HNGX0906ANSN-M ZP163
Ap:0.5-4.5 (mm)
Fz:0.07-0.9 (mm/rev)
Vc:100-300 (m/min)

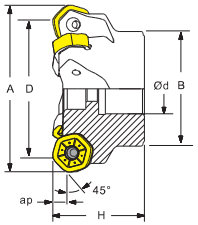
切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ◐ ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ◐ ◐ ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ◐ ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | C | T | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC325 | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削加工 Surface Milling | |  | HNGX 0906ANSN-M 0906ANSN-R | 1.2 | 15.88 | 9 | 1.8 | 5.56 | 刀柄: (Toolholder) D70 | | | | | | | ● | ● | ● | ● | ● |

## ■ KSHR 12角刀盘

KSHR 12 Angle Cutter



- 每个刀片12个切削刃
- 内冷标准
- 切削轻快

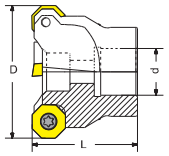
★ Each blade 12 cutting edges
★ Internal cooling standard
★ The cutting easy

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

| 规格型号 Specification | 尺寸 Dimensions (mm) D | d | A | B | ap max | 刃数 Edges | 重量 (kg) | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KSHR 40A04RS45HN09 | 40 | 22 | 51 | 39 | 4.5 | 4 | 0.25 | HNGX0906.. | M4.5×12 | T20 | ● | 322710 | 1167 |
| 50A04RS45HN09 | 50 | 22 | 61 | 38 | 4.5 | 4 | 0.32 | | | | ● | 322712 | 1167 |
| 50A05RS45HN09 | 50 | 22 | 61 | 38 | 4.5 | 4 | 0.33 | | | | ● | 322714 | 1200 |
| 63A04RS45HN09 | 63 | 22 | 74 | 50 | 4.5 | 4 | 0.60 | | | | ● | 322716 | 1283 |
| 63A06RS45HN09 | 63 | 22 | 74 | 50 | 4.5 | 6 | 0.56 | | | | ● | 322718 | 1680 |
| 63A07RS45HN09 | 63 | 22 | 74 | 50 | 4.5 | 7 | 0.57 | | | | ● | 322720 | 1700 |
| 80A06RS45HN09 | 80 | 27 | 91 | 60 | 4.5 | 6 | 1.12 | | | | ● | 322722 | 1750 |
| 80A08RS45HN09 | 80 | 27 | 91 | 60 | 4.5 | 8 | 1.07 | | | | ● | 322724 | 2217 |
| 80A09RS45HN09 | 80 | 27 | 91 | 60 | 4.5 | 9 | 1.11 | | | | ● | 322726 | 2300 |
| 100B06RS45HN09 | 100 | 32 | 111 | 80 | 4.5 | 6 | 1.73 | | | | ● | 322728 | 1983 |
| 100B08RS45HN09 | 100 | 32 | 111 | 80 | 4.5 | 8 | 1.68 | | | | ● | 322730 | 2520 |
| 100B11RS45HN09 | 100 | 32 | 111 | 80 | 4.5 | 11 | 1.73 | | | | ● | 322732 | 2600 |
| 125B06RS45HN09 | 125 | 40 | 136 | 90 | 4.5 | 6 | 2.84 | | | | ● | 322734 | 2053 |
| 125B08RS45HN09 | 125 | 40 | 136 | 90 | 4.5 | 8 | 2.77 | | | | ● | 322736 | 2520 |
| 125B10RS45HN09 | 125 | 40 | 136 | 90 | 4.5 | 10 | 2.86 | | | | ● | 322738 | 2987 |
| 160C08RS45HN09 | 160 | 40 | 171 | 110 | 4.5 | 8 | 4.75 | | | | ● | 322740 | 2987 |
| 160C10RS45HN09 | 160 | 40 | 171 | 110 | 4.5 | 10 | 4.56 | | | | ● | 322742 | 3337 |
| 160C12RS45HN09 | 160 | 40 | 171 | 110 | 4.5 | 12 | 4.70 | | | | ● | 322744 | 3920 |
| 200C12RS45HN09 | 200 | 60 | 211 | 130 | 4.5 | 12 | 6.43 | | | | ● | 322746 | 4153 |
| 250C14RS45HN09 | 250 | 60 | 261 | 130 | 4.5 | 14 | 9.93 | | | | ● | 322748 | 7700 |
| 315C16RS45HN09 | 315 | 60 | 326 | 130 | 4.5 | 16 | 22.9 | | | | ● | 322750 | 10600 |

## ■ OD八角刀盘

OD Octagonal Cutter




- 采用15° 正角刀片
- 大进给低切削阻力
- 八角刀粒，经济性好

★ Using the 15 degree angle blade
★ High feed low cutting resistance
★ The octagonal tablets, the economy is good

切削参数 (Cutting Parameters): R19-R21
零配件 (Spare Parts): P01-P04

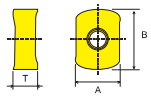
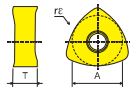
| 型号 Cat. No | 直径 Diameter | 内径 Inside diameter | 总长 Long | 刃数 Blade number | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|
| OD-63-22-4T | 63 | 22 | 50 | 4 | ODMT060508 | ● | 322700 | 300 |
| OD-80-27-5T | 80 | 27 | 50 | 5 | | ● | 322702 | 550 |
| OD-100-32-6T | 100 | 32 | 63 | 6 | | ● | 322704 | 750 |
| OD-125-40-8T | 125 | 40 | 63 | 8 | | ● | 322706 | 950 |

# BLMP 平面高进给双面有孔铣削刀片

刀片(Insert):
BLMP0603TN ZP153
Ap:0.3-0.8 (mm)
Fz:0.9-1.0 (mm/rev)
Vc:120-160 (m/min)

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● ✕ ✕ |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ● ✕ ✕ ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ● ✕ ✕ ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD CBN-K CBN-S ZN60 ZK01 ZC325 ZP201 ZP150 ZP152 ZP153 ZP163 |
|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High Feed Milling | |  | BLMP 0603R-M | - | 6.39 | 9 | 3.73 | 刀柄: (Toolholder) D71 | ● ● ● ● ● |
| 高进给铣削加工 High Feed Milling | |  | BLMP 1205R-M | 15 | 12 | - | 5.5 | 刀柄: (Toolholder) D71 | ● ● ● ● ● |

## TEBL 机夹式快进给立铣刀-双面四角刀片

Clip-Type Fast Feed End Milling Cutter
-Double-Sided Four Corners Insert

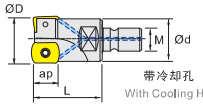
● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency
零配件 (Spare Parts): P01-P04

| 螺钉 Screw | 扳手 Wrench |
|---|---|
| M2.5x6 | T8 |

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions dc | dm | L1 | L | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337100 | TEBL 216-20-150 | 16 | 20 | 40 | 150 | 2 | 480 |
| 337102 | TEBL 216-16-150 | 16 | 16 | 40 | 150 | 2 | 480 |
| 337104 | TEBL 217-16-150 | 17 | 16 | 30 | 150 | 2 | 520 |
| 337106 | TEBL 320-20-150 | 20 | 20 | 50 | 150 | 3 | 520 |
| 337108 | TEBL 321-20-150 | 21 | 20 | 35 | 150 | 3 | 580 |
| 337110 | TEBL 425-25-180 | 25 | 25 | 30 | 180 | 4 | 668 |
| 337112 | TEBL 426-25-180 | 26 | 25 | 40 | 180 | 4 | 668 |
| 337114 | TEBL 532-32-200 | 32 | 32 | 120 | 200 | 5 | 820 |
| 337116 | TEBL 533-32-200 | 33 | 33 | 50 | 200 | 5 | 844 |

## TEBL 快进给锁牙式刀头-双面四角刀片

Fast feed locking bit - double sided four corner blade




● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency
零配件 (Spare Parts): P01-P04

| 螺钉 Screw | 扳手 Wrench |
|---|---|
| M2.5x6 | T8 |

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions ØD | Ød | L | M | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337120 | TEBL 216-M08-06 | 16 | 13 | 25 | M8 | 2 | 800 |
| 337121 | TEBL 320-M10-06 | 20 | 18 | 30 | M10 | 3 | 800 |
| 337122 | TEBL 425-M12-06 | 25 | 21 | 35 | M12 | 4 | 800 |
| 337123 | TEBL 532-M16-06 | 32 | 29 | 40 | M16 | 5 | 900 |
| 337125 | TEBL 535-M16-06 | 35 | 29 | 43 | M16 | 5 | 900 |
| 337127 | TEBL 642-M16-06 | 42 | 29 | 43 | M16 | 6 | 1300 |

## TFBL 机夹式快进给立铣刀刀盘-双面四角刀片

Clip-Type Fast Feed End Milling Cutter Head
-Double-Sided Four Corners Insert

刀片(Insert):
BLMP0603R-M ZP153
Ap:0.3-0.8 (mm)
Fz:0.9-1.0 (mm/rev)
Vc:120-160 (m/min)

● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency
零配件 (Spare Parts): P01-P04

| 螺钉 Screw | 扳手 Wrench |
|---|---|
| M2.5x6 | T8 |

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions D | d | H | | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337117 | TFBL 640-22R-06 | 40 | 16 | 40 | | 6 | 900 |
| 337118 | TFBL 750-22R-06 | 50 | 22 | 45 | | 7 | 1150 |
| 337119 | TFBL 863-22R-06 | 63 | 22 | 45 | | 8 | 1300 |



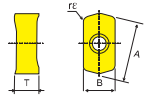


# LNMU 平面高进给双面有孔铣削刀片

刀片(Insert):
LNMU0303ZER ZP153
Ap:0.06-6.0 (mm)
Fz:0.02-0.30 (mm/rev)
Vc:100-200 (m/min)

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● ✕ ✕ |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ● ✕ ✕ ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ● ✕ ✕ ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | 配套刀柄 Matching Toolholder | PCD CBN-K CBN-S ZN60 ZK01 ZC325 ZP201 ZP150 ZP152 ZP153 ZP163 |
|---|---|---|---|---|---|---|---|---|---|
| 高进给铣削加工 High Feed Milling | |  | LNMU 0303ZER-MJ<br>0303ZER-ML | 1.2<br>1.2 | 11.59<br>11.59 | 6.0<br>6.0 | 4.29<br>4.29 | 刀柄: (Toolholder) D72 | ● ● ● ● ● |

## EXN03R 机夹式快进给立铣刀-双面四角刀片

Clip-Type Fast Feed End Milling Cutter
-Double-Sided Four Corners Insert

● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency
零配件 (Spare Parts): P01-P04

| 螺钉 Screw | 扳手 Wrench |
|---|---|
| M2.5x6 | T8 |

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions dc | dm | L1 | L | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337130 | EXN03R 16-16-100-2T | 16 | 16 | 30 | 100 | 2 | 450 |
| 337132 | EXN03R 16-16-160-2T | 16 | 16 | 35 | 160 | 2 | 500 |
| 337134 | EXN03R 17-16-100-2T | 17 | 16 | 30 | 100 | 2 | 450 |
| 337136 | EXN03R 17-16-160-2T | 17 | 16 | 30 | 160 | 2 | 550 |
| 337138 | EXN03R 18-16-100-2T | 18 | 16 | 30 | 100 | 2 | 475 |
| 337140 | EXN03R 18-16-160-2T | 18 | 16 | 30 | 160 | 2 | 600 |
| 337142 | EXN03R 20-20-130-3T | 20 | 20 | 50 | 130 | 3 | 600 |
| 337144 | EXN03R 20-20-160-3T | 20 | 20 | 60 | 160 | 3 | 650 |
| 337146 | EXN03R 21-20-130-3T | 21 | 20 | 50 | 130 | 3 | 625 |
| 337148 | EXN03R 21-20-160-3T | 21 | 20 | 50 | 160 | 3 | 675 |
| 337150 | EXN03R 22-20-130-3T | 22 | 20 | 50 | 130 | 3 | 650 |
| 337152 | EXN03R 22-20-200-3T | 22 | 20 | 50 | 200 | 3 | 750 |
| 337154 | EXN03R 25-25-140-4T | 25 | 25 | 60 | 140 | 4 | 800 |
| 337156 | EXN03R 25-25-200-4T | 25 | 25 | 80 | 200 | 4 | 900 |
| 337158 | EXN03R 26-25-140-4T | 26 | 25 | 60 | 140 | 4 | 825 |
| 337160 | EXN03R 26-25-200-4T | 26 | 25 | 60 | 200 | 4 | 975 |
| 337162 | EXN03R 28-25-140-4T | 28 | 25 | 40 | 140 | 4 | 1050 |
| 337164 | EXN03R 28-25-200-4T | 28 | 25 | 40 | 200 | 4 | 1150 |
| 337166 | EXN03R 30-32-160-5T | 30 | 32 | 70 | 160 | 5 | 1400 |
| 337168 | EXN03R 30-32-200-5T | 30 | 32 | 80 | 200 | 5 | 1550 |
| 337170 | EXN03R 32-32-150-5T | 32 | 32 | 70 | 150 | 5 | 1550 |
| 337172 | EXN03R 32-32-200-5T | 32 | 32 | 80 | 200 | 5 | 1725 |
| 337174 | EXN03R 35-32-150-5T | 35 | 32 | 40 | 150 | 5 | 1725 |
| 337176 | EXN03R 35-32-200-5T | 35 | 32 | 40 | 200 | 5 | 1925 |

## EXN03R 机夹式快进给立铣刀刀盘-双面四角刀片

Clip-Type Fast Feed End Milling Cutter Head
-Double-Sided Four Corners Insert

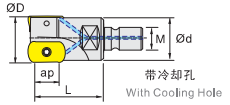
● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency
零配件 (Spare Parts): P01-P04

| 螺钉 Screw | 扳手 Wrench |
|---|---|
| M2.5x6 | T8 |

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions D | d | H | | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337180 | EXN03R 40-40-16-6T | 40 | 16 | 40 | | 6 | 900 |
| 337182 | EXN03R 50-22-45-8T | 50 | 22 | 45 | | 8 | 1150 |
| 337184 | EXN03R 63-22-45-9T | 63 | 22 | 45 | | 9 | 1350 |

## EXN03R 快进给锁牙式刀头-双面四角刀片

Fast feed locking bit - double sided four corner blade




● 特点：高进给，高效率
★ Characteristic: High Feed, High Efficiency
零配件 (Spare Parts): P01-P04

| 螺钉 Screw | 扳手 Wrench |
|---|---|
| M2.5x6 | T8 |

| 订购编码 Order Number | 规格型号 Specification | 尺寸 Dimensions ØD | Ød | L | M | 刃数 Edge | 价格 Price |
|---|---|---|---|---|---|---|---|
| 337190 | EXN03R217-M08 | 17 | 13 | 25 | M8 | 2 | 800 |
| 337191 | EXN03R220-M10 | 20 | 18 | 30 | M10 | 2 | 800 |
| 337192 | EXN03R221-M10 | 21 | 18 | 30 | M10 | 2 | 800 |
| 337193 | EXN03R325-M12 | 25 | 21 | 35 | M12 | 3 | 900 |
| 337195 | EXN03R326-M12 | 26 | 21 | 35 | M12 | 3 | 900 |
| 337197 | EXN03R332-M16 | 32 | 29 | 40 | M16 | 3 | 1000 |
| 337198 | EXN03R335-M16 | 35 | 29 | 40 | M16 | 3 | 1300 |

# 45°面铣

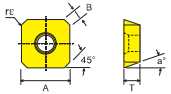
## 机夹式平面铣削刀具
## Clamp type flat milling tool

**SEMT** 正四方形 有孔 铣削刀片

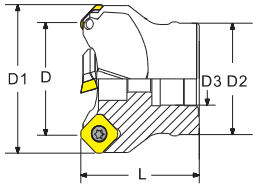
刀片(Insert):
SEMT13T3AGSN-JM ZP152
Ap:0.3-0.8 (mm)
Fz:0.1-0.3 (mm/rev)
Vc:100-300 (m/min)

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a° | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削加工 Surface milling | |  | SEET 13T3AGEN-JL<br>SEMT 13T3AGSN-JH<br>13T3AGSN-JM | 1.5 | 13.4 | 1.9 | 3.97 | 20° | 刀柄: (Toolholder) D73 | | ● | | ● | ● | ● | ● | ● | ● | ● | ● |

■ ASX445 刀盘
ASX445 Cutter




- 大前角刀片，切削负荷小
- 装有硬质合金刀垫，刀粒切削刚性更好

★ Before the big angle blade, cutting load
★ A hard alloy cutter pad, cutting better rigidity

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 Blade number | 大径 D1 Largest diameter | 切削径 D Cutting size | 端面直径 D2 End face diameter | 内径 D3 Inside diameter | 总长 L Long | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| ASX445R/L50-22-3T | 3 | 63 | 50 | 47 | 22 | 50 | SEMT13T3 | ● | 331200 | 350 |
| ASX445R/L50-22-4T | 4 | | | | | | | ● | 331202 | 350 |
| ASX445R/L50-22-5T | 5 | | | | | | | ● | 331204 | 400 |
| ASX445R/L63-22-4T | 4 | 76 | 63 | 47 | 22 | 50 | | ● | 331206 | 350 |
| ASX445R/L63-22-5T | 5 | | | | | | | ● | 331208 | 350 |
| ASX445R/L63-22-6T | 6 | | | | | | | ● | 331210 | 400 |
| ASX445R/L80-27-4T | 4 | 93 | 80 | 58 | 27 | 50 | | ● | 331212 | 480 |
| ASX445R/L80-27-5T | 5 | | | | | | | ● | 331214 | 480 |
| ASX445R/L80-27-6T | 6 | | | | | | | ● | 331216 | 600 |
| ASX445R/L80-27-8T | 8 | | | | | | | ● | 331218 | 700 |
| ASX445R/L100-32-5T | 5 | 113 | 100 | 76 | 32 | 50 | | ● | 331220 | 750 |
| ASX445R/L100-32-6T | 6 | | | | | | | ● | 331222 | 750 |
| ASX445R/L100-32-7T | 7 | | | | | | | ● | 331224 | 800 |
| ASX445R/L100-32-10T | 10 | | | | | | | ● | 331226 | 900 |
| ASX445R/L125-40-6T | 6 | 138 | 125 | 87 | 40 | 63 | | ● | 331228 | 900 |
| ASX445R/L125-40-7T | 7 | | | | | | | ● | 331230 | 900 |
| ASX445R/L125-40-8T | 8 | | | | | | | ● | 331232 | 1000 |
| ASX445R/L125-40-12T | 12 | | | | | | | ● | 331234 | 1200 |
| ASX445R/L160-40-7T | 7 | 173 | 160 | 100 | 40 | 63 | | ● | 331236 | 1500 |
| ASX445R/L160-40-10T | 10 | | | | | | | ● | 331238 | 1500 |
| ASX445R/L160-40-16T | 16 | | | | | | | ● | 331240 | 2000 |
| ASX445R/L200-40-8T | 8 | 212.9 | 200 | 175 | 40 | 63 | | ● | 331242 | 2200 |
| ASX445R/L200-40-12T | 12 | | | | | | | ● | 331244 | 2600 |
| ASX445R/L250-60-10T | 10 | 262.9 | 250 | 220 | 60 | 63 | | ● | 331246 | 2800 |
| ASX445R/L250-60-14T | 14 | | | | | | | ● | 331248 | 3200 |

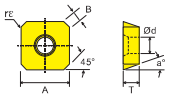
* Shim SSS445N; Screw MDS5035; Wrench PL35; Screw MS3512B; Wrench T15

**SEET** 正四方形 有孔 铣削刀片

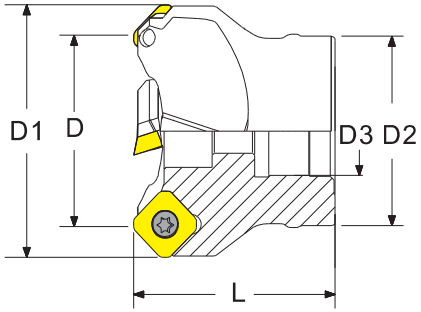
刀片(Insert):
SEET12T3-DM ZP152
Ap:0.3-0.8 (mm)
Fz:0.1-0.3 (mm/rev)
Vc:100-300 (m/min)

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Unstable Cutting

| | | | |
|---|---|---|---|
| P | 钢 | Steel | ● ● ✕ ✕ ✕ ● |
| M | 不锈钢 | Stainless Steel | ● ● ● ● ● ● ● |
| K | 铸铁 | Iron | ● ● ● ✕ ✕ ✕ |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● ● ● |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● ✕ ✕ ● ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● ✕ ✕ ● ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | Ød | a° | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削加工 Surface milling | |  | SEET 12T3-DF<br>轻切削 12T3-CF<br>12T3-EF<br>中切削 12T3-DM<br>12T3-CM<br>12T3-EM<br>重切削 12T3-DR<br>12T3-CR<br>横铣用 12T3-LH | - | 13.4 | 2.55 | 3.97 | 4.1 | 20° | 刀柄: (Toolholder) D74 | | | | | | | | | | | ● |

■ R245 刀盘
R245 cutter




- 大前角刀片，切削负荷小
- 装有硬质合金刀垫，刀粒切削刚性更好

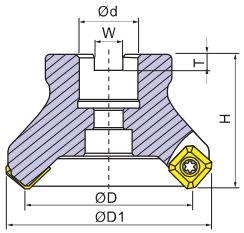
★ Before the big angle blade, cutting load
★ A hard alloy cutter pad, cutting better rigidity

切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

| 型号 Cat. No | 刃数 Blade number | 最大径 D1 Largest diameter | 切削径 D Cutting size | 端面直径 D2 End face diameter | 内径 D3 Inside diameter | 总长 L Long | 刀片 Insert | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|
| R245R63-22-5T | 5 | 76 | 63 | 47 | 22 | 50 | SEET-12T3 | ● | 331300 | 350 |
| R245R80-27-5T | 5 | 93 | 80 | 58 | 27 | 50 | | ● | 331302 | 480 |
| R245R100-32-6T | 6 | 113 | 100 | 76 | 32 | 50 | | ● | 331304 | 750 |
| R245R125-40-7T | 7 | 138 | 125 | 87 | 40 | 63 | | ● | 331306 | 900 |
| R245R160-40-10T | 10 | 173 | 160 | 100 | 40 | 63 | | ● | 331308 | 1500 |
| R245R200-40-12T | 12 | 212.9 | 200 | 175 | 40 | 63 | | ● | 331310 | 2200 |
| R245R250-40-14T | 14 | 262.9 | 250 | 220 | 60 | 63 | | ● | 331312 | 2800 |

## KM 机夹式45°平面立铣刀盘

45° Planar End Milling Cutter Head with Machine Clamp




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

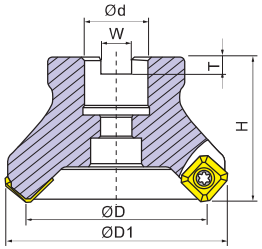
- 适配钢件、铸件、铝件多种材质刀片，适切范围广
- 容屑空间大，排屑好
- 可适用平面铣削的精加工
- 大前角，切削负荷小

- ★ Fit steel, castings, aluminum pieces of various materials blade, the relevance of a wide range of
- ★ Capacity chip a large space, good chip disposal
- ★ Planar milling finishing applicable
- ★ Large rake angle, cutting a small load

| 规格型号 Specification | 尺寸 Dimensions (mm) D | D1 | d | H | W | T | 刃数 Edges | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KM12R50-22-4T | 50 | 64 | 22 | 50 | 10.4 | 6.3 | 4 | SE..1204.. | M5.0×11 | T20 | ● | 331500 | 240 |
| KM12R63-22-4T | 63 | 77 | 22 | 50 | 10.4 | 6.3 | 4 | | | | ● | 331502 | 280 |
| KM12R80-27-5T | 80 | 94 | 27 | 50 | 12.4 | 7 | 5 | | | | ● | 331504 | 400 |
| KM12R100-32-5T | 100 | 114 | 32 | 50 | 14.4 | 8 | 5 | | | | ● | 331506 | 600 |
| KM12R125-40-6T | 125 | 139 | 40 | 63 | 16.4 | 9 | 6 | | | | ● | 331508 | 750 |
| KM12R160-40-6T | 160 | 174 | 40 | 63 | 16.4 | 9 | 6 | | | | ● | 331510 | 1150 |
| KM12R200-60-8T | 200 | 210 | 60 | 63 | 25.7 | 14 | 8 | | | | ● | 331512 | 1600 |
| KM12R250-60-10T | 250 | 260 | 60 | 63 | 25.7 | 14 | 10 | | | | ● | 331514 | 2100 |
| KM12R300-60-12T | 300 | 310 | 60 | 65 | 25.7 | 14 | 12 | | | | ● | 331516 | - |
| KM12R50-25.4-4T | 50 | 64 | 25.4 | 50 | 10 | 6 | 4 | | | | ● | 331518 | - |
| KM12R63-25.4-4T | 63 | 77 | 25.4 | 50 | 10 | 6 | 4 | | | | ● | 331520 | 280 |
| KM12R80-25.4-5T | 80 | 94 | 25.4 | 50 | 10 | 6 | 5 | | | | ● | 331522 | 400 |
| KM12R100-31.75-5T | 100 | 114 | 31.75 | 50 | 13 | 8 | 5 | | | | ● | 331524 | 600 |

## AL-KM 机夹式45°平面立铣刀盘-铝制高光

45° Planar End Milling Cutter Head with Machine Clamp -Aluminum High Gloss




切削参数 (Cutting Parameters): R15-R18
零配件 (Spare Parts): P01-P04

- 特点：铝材壳体，重量轻，45°高光效率高

★ Features: Aluminum Shell, Light Weight, 45° High Polishing Efficiency

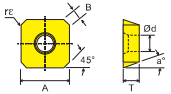
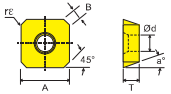
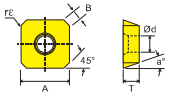
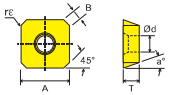
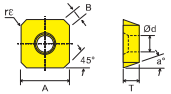
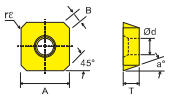
| 规格型号 Specification | 尺寸 Dimensions (mm) D | | d | H | W | T | 刃数 Edges | 刀片 Insert | 螺钉 Screw | 扳手 Wrench | 库存 Stock | 编码 Code | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AL-KM12-50-22-4T | 50 | | 22 | 50 | 10.4 | 6.3 | 4 | SE..1204.. | M5.0×11 | T20 | ● | 331550 | 260 |
| AL-KM12-63-22-4T | 63 | | 22 | 50 | 10.4 | 6.3 | 4 | | | | ● | 331552 | 320 |
| AL-KM12-80-22-6T | 80 | | 22 | 50 | 12.4 | 7 | 6 | | | | ● | 331554 | 440 |
| AL-KM12-80-27-5T | 80 | | 27 | 50 | 12.4 | 7 | 5 | | | | ● | 331556 | 440 |
| AL-KM12-80-27-6T | 80 | | 27 | 50 | 12.4 | 7 | 6 | | | | ● | 331558 | 440 |
| AL-KM12-100-22-6T | 100 | | 22 | 50 | 14.4 | 7 | 6 | | | | ● | 331560 | 750 |
| AL-KM12-100-27-6T | 100 | | 27 | 50 | 14.4 | 8 | 6 | | | | ● | 331562 | 750 |
| AL-KM12-100-32-5T | 100 | | 32 | 50 | 14.4 | 8 | 5 | | | | ● | 331564 | 750 |
| AL-KM12-100-32-6T | 100 | | 32 | 50 | 14.4 | 8 | 6 | | | | ● | 331566 | 750 |
| AL-KM12-125-22-6T | 125 | | 22 | 63 | 16.4 | 8 | 6 | | | | ● | 331568 | 1165 |
| AL-KM12-125-27-6T | 125 | | 27 | 63 | 16.4 | 9 | 6 | | | | ● | 331570 | 1165 |
| AL-KM12-125-32-6T | 125 | | 32 | 63 | 16.4 | 9 | 6 | | | | ● | 331572 | 1165 |
| AL-KM12-125-40-6T | 125 | | 40 | 63 | 16.4 | 9 | 6 | | | | ● | 331574 | 1165 |
| AL-KM12-160-27-8T | 160 | | 27 | 63 | 16.4 | 9 | 8 | | | | ● | 331576 | 1300 |
| AL-KM12-160-32-8T | 160 | | 32 | 63 | 16.4 | 9 | 8 | | | | ● | 331578 | 1300 |
| AL-KM12-160-40-6T | 160 | | 40 | 63 | 16.4 | 9 | 6 | | | | ● | 331580 | 1300 |
| AL-KM12-160-40-8T | 160 | | 40 | 63 | 16.4 | 9 | 8 | | | | ● | 331582 | 1300 |
| AL-KM12-200-40-10T | 200 | | 40 | 63 | 16.4 | 9 | 10 | | | | ● | 331584 | 2800 |
| AL-KM12-200-60-8T | 200 | | 60 | 63 | 16.4 | 9 | 8 | | | | ● | 331586 | 2800 |
| AL-KM12-250-60-10T | 250 | | 60 | 63 | 16.4 | 9 | 10 | | | | ● | 331588 | 3500 |
| AL-KM12-300-60-12T | 300 | | 60 | 63 | 16.4 | 9 | 12 | | | | ● | 331590 | 4300 |

## SEKT 正四方形 有孔 铣削刀片

刀片(Insert):
SEMT13T3AGSN-JM ZP152
Ap:0.3-0.8 (mm)
Fz:0.1-0.3 (mm/rev)
Vc:100-300 (m/min)

切削形态: Cutting Environment — ● 稳定切削 Stable Cutting ● 一般切削 General Cutting ✕ 不稳定切削 Instable Cutting

| | | | PCD | CBN-K | CBN-S | ZK01 | ZK01 | ZC32S | ZP201 | ZP101 | ZP152 | ZP153 | ZP155 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | | ● | ● | | | ● | ✕ | ✕ | ● |
| M | 不锈钢 | Stainless Steel | | | | | ● | | ● | ● | ✕ | ● | ● |
| K | 铸铁 | Iron | | | | ● | | ● | | ● | ✕ | ✕ | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | | ● | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | | ✕ | ✕ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | | ✕ | ✕ | ● |

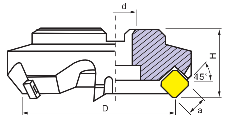
| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | Ød | a° | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZK01 | ZK01 | ZC32S | ZP201 | ZP101 | ZP152 | ZP153 | ZP155 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削精加工 Surface milling | |  | SECA 1204AFSN<br>1204AFTN | -<br>- | 12.7<br>12.7 | 2.66<br>2.66 | 4.76<br>4.76 | 5.56<br>5.56 | 20°<br>20° | 刀柄: (Toolholder) D75 | | | | | | | ● | ● | ● | ● |
| 平面铣削精加工 Surface milling | |  | SEKT 1204AFTN | - | 12.7 | 2.66 | 4.76 | 5.56 | 20° | 刀柄: (Toolholder) D75 | | | | | | | ● | ● | ● | ● |
| 平面铣削精加工 Surface milling | |  | SEHT 1204AFSN | - | 12.7 | 2.66 | 4.76 | 5.56 | 20° | 刀柄: (Toolholder) D75 | | | | | | | ● | ● | ● | ● |
| 平面铣削精加工 Surface milling | |  | SEHT 1204-AK | - | 12.7 | 2.66 | 4.76 | 5.56 | 20° | 刀柄: (Toolholder) D75 | | | | | | | | ● | | |
| 平面铣削精加工 Surface milling | |  | SEHT 1204 | - | 12.7 | 2.66 | 4.76 | 5.56 | 20° | 刀柄: (Toolholder) D75 | ● | | | | | | | | | |
| 平面铣削精加工 Surface milling | |  | SEHT 1204 | - | 12.7 | 2.66 | 4.76 | 5.56 | 20° | 刀柄: (Toolholder) D75 | ● | ● | | | | | | | | |

刀杆刀盘 | 直角台肩立铣刀 | 圆角铣刀 | 球头铣刀 | 钻铣刀杆 | 倒角刀杆 | 玉米铣刀 | 三面刃槽刀 | 快进给系列 | 龙门平面铣刀 | 锁牙式刀柄

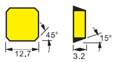
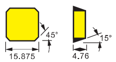
## ■ SD45° 面铣刀盘 Face Milling Cutter

45°

切削参数 (Cutting Parameters): D78
零配件 (Spare Parts): P01-P04



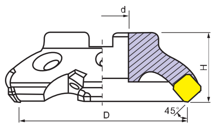

- 使用15° 正角刀片
- 采用高钢性硬质合金刀垫
- ★ Using the blade angle is 15 °
- ★ High-rigidity alloy pad.

| 型号 Cat. No | 尺寸 Size 外径D | 孔径d | 高度H | 刀片数T | 刀片规格 Insert | | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| SD445R/L03-25.4 | 80 | 25.4 | 55 | 5 |  | SDKN1203 | ● | 331700 | 960 |
| SD445R/L04-31.75 | 100 | 31.75 | 55 | 5 | | | ● | 331702 | 1100 |
| SD445R/L05-38.1 | 125 | 38.1 | 60 | 6 | | | ● | 331704 | 1500 |
| SD445R/L06-50.8 | 160 | 50.8 | 60 | 8 | | | ● | 331706 | 2200 |
| SD445R/L08-47.625 | 200 | 47.625 | 65 | 10 | | | ● | 331708 | 2800 |
| SD445R/L10-47.625 | 250 | 47.625 | 65 | 12 | | | ● | 331710 | 4800 |
| SD445R/L12-47.625 | 300 | 47.625 | 65 | 14 | | | ● | 331712 | 7000 |
| SD545R/L03-25.4 | 80 | 25.4 | 55 | 5 |  | SDKN1504 | ● | 331714 | 960 |
| SD545R/L04-31.75 | 100 | 31.75 | 55 | 5 | | | ● | 331716 | 1100 |
| SD545R/L05-38.1 | 125 | 38.1 | 60 | 6 | | | ● | 331718 | 1500 |
| SD545R/L06-50.8 | 160 | 50.8 | 60 | 8 | | | ● | 331720 | 2200 |
| SD545R/L08-47.625 | 200 | 47.625 | 65 | 10 | | | ● | 331722 | 2800 |
| SD545R/L10-47.625 | 250 | 47.625 | 65 | 12 | | | ● | 331724 | 4800 |
| SD545R/L12-47.625 | 300 | 47.625 | 65 | 14 | | | ● | 331726 | 7000 |

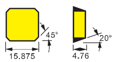
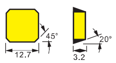
## ■ SE45° 面铣刀盘 Face Milling Cutter

45°

切削参数 (Cutting Parameters): D78
零配件 (Spare Parts): P01-P04



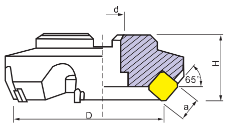

- 使用20° 正角刀片
- 大前角刃形
- 采用高刚性硬质合金刀垫
- ★ Using the blade angle is 20 °
- ★ Large front-edge-shaped
- ★ High-rigidity alloy pad.

| 型号 Cat. No | 尺寸 Size 外径D | 孔径d | 高度H | 刀片数T | 刀片规格 Insert | | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| SE545R/L03-25.4 | 80 | 25.4 | 50 | 5 |  | SEKN1504 | ● | 331800 | 960 |
| SE545R/L04-31.75 | 100 | 31.75 | 50 | 6 | | | ● | 331802 | 1100 |
| SE545R/L05-38.1 | 125 | 38.1 | 50 | 7 | | | ● | 331804 | 1500 |
| SE545R/L06-50.8 | 160 | 50.8 | 55 | 8 | | | ● | 331806 | 2200 |
| SE545R/L08-47.625 | 200 | 47.625 | 55 | 10 | | | ● | 331808 | 2800 |
| SE545R/L10-47.625 | 250 | 47.625 | 55 | 12 | | | ● | 331810 | 4800 |
| SE545R/L12-47.625 | 300 | 47.625 | 55 | 14 | | | ● | 331812 | 7000 |
| SE445R/L63-22 | 63 | 22 | 50 | 4 |  | SEKN1203 | ● | 331814 | 850 |
| SE445R/L63-25.4 | 63 | 25.4 | 50 | 4 | | | ● | 331816 | 850 |
| SE445R/L03-25.4 | 80 | 25.4 | 50 | 5 | | | ● | 331818 | 960 |
| SE445R/L04-31.75 | 100 | 31.75 | 50 | 6 | | | ● | 331820 | 1100 |
| SE445R/L05-38.1 | 125 | 38.1 | 50 | 7 | | | ● | 331822 | 1500 |
| SE445R/L06-50.8 | 160 | 50.8 | 55 | 8 | | | ● | 331824 | 2200 |
| SE445R/L08-47.625 | 200 | 47.625 | 55 | 10 | | | ● | 331826 | 2800 |
| SE445R/L10-47.625 | 250 | 47.625 | 55 | 12 | | | ● | 331828 | 4800 |
| SE445R/L12-47.625 | 300 | 47.625 | 55 | 14 | | | ● | 331830 | 7000 |

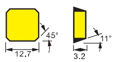
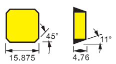
## ■ SP65° 面铣刀盘 Face Milling Cutter

25°

切削参数 (Cutting Parameters): D78
零配件 (Spare Parts): P01-P04




- 使用11° 正角刀片
- 采用高钢性硬质合金刀垫
- ★ Using the blade angle is 11 °
- ★ High-rigidity alloy pad.

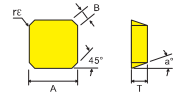
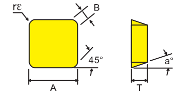
| 型号 Cat. No | 尺寸 Size 外径D | 孔径d | 高度H | 刀片数T | 刀片规格 Insert | | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| SP435R/L03-25.4 | 80 | 25.4 | 55 | 5 |  | SPKN1203 | ● | 331900 | 960 |
| SP435R/L04-31.75 | 100 | 31.75 | 55 | 5 | | | ● | 331902 | 1100 |
| SP435R/L05-38.1 | 125 | 38.1 | 60 | 6 | | | ● | 331904 | 1500 |
| SP435R/L06-50.8 | 160 | 50.8 | 60 | 8 | | | ● | 331906 | 2200 |
| SP435R/L08-47.625 | 200 | 47.625 | 65 | 10 | | | ● | 331908 | 2800 |
| SP435R/L10-47.625 | 250 | 47.625 | 65 | 12 | | | ● | 331910 | 4800 |
| SP435R/L12-47.625 | 300 | 47.625 | 65 | 14 | | | ● | 331912 | 7000 |
| SP535R/L03-25.4 | 80 | 25.4 | 55 | 5 |  | SPKN1504 | ● | 331914 | 960 |
| SP535R/L04-31.75 | 100 | 31.75 | 55 | 5 | | | ● | 331916 | 1100 |
| SP535R/L05-38.1 | 125 | 38.1 | 60 | 6 | | | ● | 331918 | 1500 |
| SP535R/L06-50.8 | 160 | 50.8 | 60 | 8 | | | ● | 331920 | 2200 |
| SP535R/L08-47.625 | 200 | 47.625 | 65 | 10 | | | ● | 331922 | 2800 |
| SP535R/L10-47.625 | 250 | 47.625 | 65 | 12 | | | ● | 331924 | 4800 |
| SP535R/L12-47.625 | 300 | 47.625 | 65 | 14 | | | ● | 331926 | 7000 |



## SEKN 正四方形 无孔 铣削刀片

切削形态: Cutting Environment ● 稳定切削 Stable Cutting ◐ 一般切削 General Cutting ✤ 不稳定切削 Unstable Cutting

| | 材料 | Material | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P | 钢 | Steel | | | ● | ◐ | | ◐ | ✤ | ✤ | ✤ | ◐ | ● |
| M | 不锈钢 | Stainless Steel | | | | ◐ | | ◐ | ✤ | ✤ | ✤ | ◐ | ● |
| K | 铸铁 | Iron | | ● | | ◐ | | ◐ | ✤ | ✤ | ✤ | | |
| N | 铝/铜/镁/锌/塑料/木材 | Aluminum/Copper/Magnesium/Zinc/Plastic/Wood | ● | | | | ● | | | | | | |
| S | 硬质合金/粉末冶金 | Carbide/Powder Metallurgy | ● | | | | | | | ✤ | ✤ | ◐ | ● |
| H | 钛/高温合金/碳纤维 | Titanium/Superalloy/Carbon Fiber | ● | | | | | | | ✤ | ✤ | ◐ | ● |

| 用途 Application | 产品图片 Product Image | 几何尺寸 Dimensioning | 规格型号 Specification | 尺寸 Dimension (mm) rε | A | B | T | a° | 配套刀柄 Matching Toolholder | PCD | CBN-K | CBN-S | ZN60 | ZK01 | ZC32S | ZP201 | ZP150 | ZP152 | ZP153 | ZP163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 平面铣削加工 Surface milling | |  | SDKN 1203AETN | - | 12.7 | 1.7 | 3.18 | 15° | 刀柄: (Toolholder) D77-D78 | ● | ● | ● | ● | | | ● | ● | ● | | |
| | | | 1504AETN | - | 15.875 | 1.7 | 4.76 | 15° | | ● | ● | ● | ● | | | ● | ● | ● | | |
| | | | SEEN 1203AFTN1 | 1.0 | 12.7 | 1.4 | 3.18 | 20° | | ● | ● | ● | ● | | | ● | ● | ● | | |
| | | | 1504AFTN1 | 1.0 | 15.875 | 1.4 | 4.76 | 20° | | ● | ● | ● | ● | | | ● | ● | ● | | |
| | | | SEKN 1203AFTN1 | - | 12.7 | 1.4 | 3.18 | 20° | | ● | ● | ● | ● | | | ● | ● | ● | | |
| | | | 1504AFTN1 | - | 15.875 | 1.4 | 4.78 | 20° | | ● | ● | ● | ● | | | ● | ● | ● | | |
| | | | SPKN 1203EDR | - | 12.7 | 1.4 | 3.18 | 11° | | ● | ● | ● | ● | | | ● | ● | ● | | |
| 平面铣削加工 Surface milling | |  | SEKR 1203AFEN-JS | 1.0 | 12.7 | 1.4 | 3.18 | 20° | 刀柄: (Toolholder) D77-D78 | | | | ● | ● | | ● | ● | ● | | |
| | | | 1504AFEN-JS | 1.0 | 15.875 | 1.4 | 4.76 | 20° | | | | | ● | ● | | ● | ● | ● | | |

## 推荐切削条件 Recommend Cutting Conditions

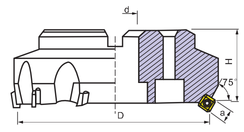
| | 工件材料 Cat. No. | 硬度 Hardness | 刀片材料 Balde No. | 切削速度 (m/min) | 每刃进给量 (mm/tooth) |
|---|---|---|---|---|---|
| P | 软钢（SS400，S10C等） | ≦HB180 | ZP201 | 200 (160-250) | 0.2(0.1-0.3) |
| | | | ZP150 | 180 (100-250) | |
| | | | ZN60 | 140 (80-200) | |
| | 碳钢，合金钢（S45C，SCM440等） | HB180-280 | ZP150 | 200 (160-250) | 0.2(0.1-0.3) |
| | | | ZP152 | 180 (100-250) | |
| | | | ZP153 | 140 (80-200) | |
| | | HB280-350 | ZP153 | 120 (80-160) | 0.15 (0.1-0.2) |
| M | 不锈钢（SUS304等） | ≦HB270 | ZP152 | 150 (100-200) | 0.2 (0.1-0.3) |
| K | 铸铁,球墨铸铁（FCD250,FCD400等） | 抗拉强度 ≦450MPa | ZP201 | 175 (100-250) | 0.2(0.1-0.3) |
| | | | ZP152 | 160 (100-220) | |
| N | 铝合金 | | ZK01 | 650 (300-1000) | 0.12(0.05-0.2) |

- 刀具转速($min^{-1}$)=(1000x切削速度)÷(3. 14x刀具切削刃直径)
- 机床工作台进给量(mm/min)=每刃进给量x刀具刃数x刀具转速

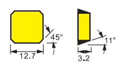
## ■ FP75° 面铣刀盘 Face Milling Cutter

15°

切削参数 (Cutting Parameters): D78
零配件 (Spare Parts): P01-P04

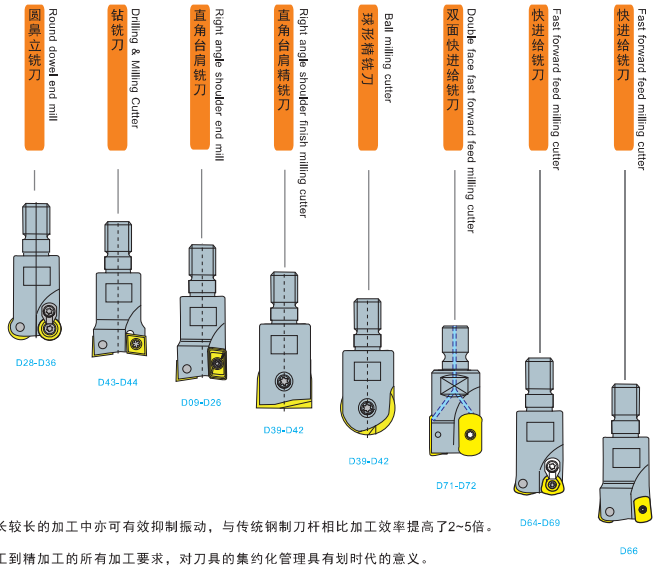



- 使用11° 正角刀片
- 采用高钢性硬质合金刀垫
- ★ Using the blade angle is 11 °
- ★ High-rigidity alloy pad.

| 型号 Cat. No | 尺寸 Size 外径D | 孔径d | 高度H | 刀片数T | 刀片规格 Insert | | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| FPR/L03-25.4 | 80 | 25.4 | 55 | 5 |  | SPKN1203 | ● | 332100 | 960 |
| FPR/L04-31.75 | 100 | 31.75 | 55 | 6 | | | ● | 332102 | 1100 |
| FPR/L05-38.1 | 125 | 38.1 | 60 | 8 | | | ● | 332104 | 1500 |
| FPR/L06-50.8 | 160 | 50.8 | 60 | 10 | | | ● | 332106 | 2200 |
| FPR/L08-47.625 | 200 | 47.625 | 65 | 12 | | | ● | 332108 | 2800 |
| FPR/L10-47.625 | 250 | 47.625 | 65 | 16 | | | ● | 332110 | 4800 |
| FPR/L12-47.625 | 300 | 47.625 | 65 | 20 | | | ● | 332112 | 7000 |

## ■ MFT 锁牙式刀杆系列

MFT Lock teeth cutter bar series




### 优点 Advantage

高性能可换刀头和刚性刀柄的组合，在悬长较长的加工中亦可有效抑制振动，与传统钢制刀杆相比加工效率提高了2~5倍。加工时间大大缩短，加工成本随之下降。

刀头的自由组合及其可换性，覆盖从粗加工到精加工的所有加工要求，对刀具的集约化管理具有划时代的意义。

由于刀柄和刀杆采用螺纹连接，可在机床上方便迅速的更换刀头，降低生产成本。

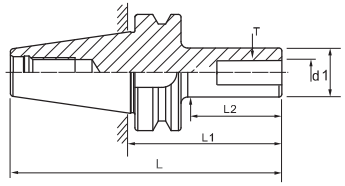
High-performance interchangeable cutter head and the handle a combination of rigidity, in the long hanging longer processing caneffectively suppress vibration, as compared with traditional steel arbor processing efficiency is improved by 2 ~ 5 times. Significantly reduce processing time, processing costs drop.

Segment of the free combination and can be changed, coverage from roughing to finishing all the processing requirements, intensive management tool epoch-making significance.

As the shank and arbor with threaded connections, you can easily and quickly on a replacement machine Cutter, reduce production costs.

## ■ BT-MFT 锁牙式刀柄

BT/MFT Screwed end mills holder



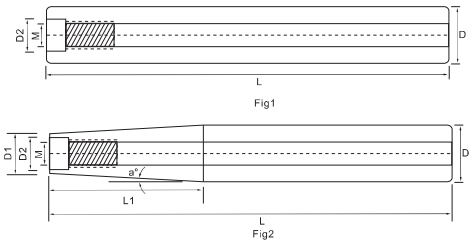

| 型 号 Cat. No | 尺 寸 Size | | | | | 重量 Weight ( KG ) | Stock | Order Number | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|
| | L | L1 | L2 | d1 | T | | | | |
| BT40-MFT16-M8-60 | 160.4 | 95 | 60 | 15 | M8 | 1.1 | ● | 336100 | 350 |
| BT40-MFT16-M8-110 | 210.4 | 145 | 110 | 15 | M8 | 1.2 | ● | 336102 | 350 |
| BT40-MFT20-M10-60 | 160.4 | 95 | 60 | 19 | M10 | 1.1 | ● | 336104 | 350 |
| BT40-MFT20-M10-110 | 210.4 | 145 | 110 | 19 | M10 | 1.2 | ● | 336106 | 350 |
| BT40-MFT25-M12-60 | 160.4 | 95 | 60 | 24 | M12 | 1.1 | ● | 336108 | 350 |
| BT40-MFT25-M12-120 | 220.4 | 155 | 120 | 24 | M12 | 1.3 | ● | 336110 | 350 |
| BT40-MFT30-M16-50 | 150.4 | 85 | 50 | 28 | M16 | 1.2 | ● | 336112 | 350 |
| BT40-MFT30-M16-100 | 200.4 | 135 | 100 | 28 | M16 | 1.3 | ● | 336114 | 350 |
| BT40-MFT30-M16-140 | 240.4 | 175 | 140 | 28 | M16 | 1.6 | ● | 336116 | 400 |
| BT40-MFT35-M16-60 | 160.4 | 95 | 60 | 33 | M16 | 1.3 | ● | 336118 | 350 |
| BT40-MFT35-M16-120 | 220.4 | 155 | 120 | 33 | M16 | 1.7 | ● | 336120 | 350 |
| BT50-MFT16-M8-60 | 206.8 | 105 | 60 | 15 | M8 | 3.1 | ● | 336122 | 700 |
| BT50-MFT16-M8-120 | 266.8 | 165 | 120 | 15 | M8 | 3.2 | ● | 336124 | 700 |
| BT50-MFT20-M10-60 | 206.8 | 105 | 60 | 19 | M10 | 3.2 | ● | 336126 | 700 |
| BT50-MFT20-M10-120 | 266.8 | 165 | 120 | 19 | M10 | 3.3 | ● | 336128 | 700 |
| BT50-MFT25-M12-60 | 206.8 | 105 | 60 | 24 | M12 | 3.3 | ● | 336130 | 700 |
| BT50-MFT25-M12-120 | 266.8 | 165 | 120 | 24 | M12 | 3.4 | ● | 336132 | 700 |
| BT50-MFT30-M16-60 | 206.8 | 105 | 60 | 28 | M16 | 3.4 | ● | 336134 | 700 |
| BT50-MFT30-M16-120 | 266.8 | 165 | 120 | 28 | M16 | 3.5 | ● | 336136 | 700 |
| BT50-MFT35-M16-60 | 206.8 | 105 | 60 | 33 | M16 | 3.5 | ● | 336138 | 700 |
| BT50-MFT35-M16-120 | 266.8 | 165 | 120 | 33 | M16 | 3.7 | ● | 336140 | 700 |

■ 整支通孔利于出水及抗震。

■ Beneficial to the entire branch water and seismic hole.

## ■ MFL 钨钢锁牙式刀杆

MFL Carbide screwed end mills holder




| 订购编码 Order Number | 型 号 Cat. No | Fig | L | D | D1 | L1 | a° | M | D2 | Steel Stock | Price (RMB) | Carbide Stock | Price (RMB) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 336200 | MFL06-06-060-M03 | 1 | 60 | 6 | 6 | - | - | M3X0.5 | 3.5 | ○ | 400 | ● | 800 |
| 336202 | MFL06-06-120-M03 | 1 | 120 | 6 | 6 | - | - | | | ○ | 400 | ● | 800 |
| 336204 | MFL08-08-060-M04 | 1 | 60 | 8 | 8 | - | - | M4X0.7 | 4.5 | ○ | 400 | ● | 800 |
| 336206 | MFL08-08-100-M04 | 1 | 100 | 8 | 8 | - | - | | | ○ | 400 | ● | 990 |
| 336208 | MFL08-08-150-M04 | 1 | 150 | 8 | 8 | - | - | | | ○ | 400 | ● | 1100 |
| 336210 | MFL08-10-150-M04DT60 | 2 | 150 | 10 | 7.8 | 60 | 1° | | | ○ | 450 | ○ | 1200 |
| 336212 | MFL10-10-075-M05 | 1 | 75 | 10 | 10 | - | - | M5X0.8 | 5.5 | ○ | 500 | ● | 1000 |
| 336214 | MFL10-10-100-M05 | 1 | 100 | 10 | 10 | - | - | | | ○ | 500 | ● | 1080 |
| 336216 | MFL10-10-150-M05 | 1 | 150 | 10 | 10 | - | - | | | ○ | 500 | ● | 1290 |
| 336218 | MFL10-12-150-M05DT60 | 2 | 150 | 12 | 9.8 | 60 | 1° | | | ○ | 550 | ○ | 1450 |
| 336220 | MFL10-20-300-M05DT135 | 2 | 300 | 20 | 9.8 | 135 | 2.15° | | | ○ | 650 | ○ | 5500 |
| 336222 | MFL12-12-075-M06 | 1 | 75 | 12 | 12 | - | - | M6X1.0 | 6.5 | ○ | 500 | ● | 1150 |
| 336224 | MFL12-12-100-M06 | 1 | 100 | 12 | 12 | - | - | | | ○ | 500 | ● | 1290 |
| 336226 | MFL12-12-150-M06 | 1 | 150 | 12 | 12 | - | - | | | ○ | 500 | ● | 1480 |
| 336228 | MFL12-12-200-M06 | 1 | 200 | 12 | 12 | - | - | | | ○ | 500 | ● | 1980 |
| 336230 | MFL12-16-150-M06DT70 | 2 | 150 | 16 | 11.8 | 70 | 1.65° | | | ○ | 550 | ○ | 2200 |
| 336232 | MFL12-16-200-M06DT90 | 2 | 200 | 16 | 11.8 | 90 | 1.3° | | | ○ | 600 | ○ | 2600 |
| 336234 | MFL12-16-250-M06DT115 | 2 | 250 | 16 | 11.8 | 115 | 1° | | | ○ | 700 | ○ | 3200 |
| 336236 | MFL12-16-300-M06DT135 | 2 | 300 | 16 | 11.8 | 135 | 1.7° | | | ○ | 800 | ○ | 3800 |
| 336238 | MFL15.6-15.6-150-M08 | 1 | 150 | 15.6 | 15.6 | - | - | M8X1.25 | 8.5 | ○ | 500 | ● | 1900 |
| 336240 | MFL16-16-100-M08 | 1 | 100 | 16 | 16 | - | - | M8X1.25 | 8.5 | ○ | 500 | ● | 1980 |
| 336242 | MFL16-16-150-M08 | 1 | 150 | 16 | 16 | - | - | | | ○ | 500 | ● | 2240 |
| 336244 | MFL16-16-200-M08 | 1 | 200 | 16 | 16 | - | - | | | ○ | 800 | ● | 2630 |
| 336246 | MFL16-16-250-M08 | 1 | 250 | 16 | 16 | - | - | | | ○ | 900 | ● | 3130 |
| 336248 | MFL16-20-200-M08DT90 | 2 | 200 | 20 | 15.5 | 90 | 1.3° | | | ○ | 900 | ○ | 4000 |
| 336250 | MFL16-20-250-M08DT115 | 2 | 250 | 20 | 15.5 | 115 | 1° | | | ○ | 950 | ○ | 4700 |
| 336252 | MFL16-20-300-M08DT135 | 2 | 300 | 20 | 15.5 | 135 | 0.85° | | | ○ | 1000 | ○ | 5400 |
| 336254 | MFL19-19-200-M10 | 1 | 200 | 19 | 19 | - | - | M10X1.5 | 10.5 | ○ | 800 | ● | 2600 |
| 336256 | MFL20-20-100-M10 | 1 | 100 | 20 | 20 | - | - | M10X1.5 | 10.5 | ○ | 800 | ● | 2650 |
| 336258 | MFL20-20-150-M10 | 1 | 150 | 20 | 20 | - | - | | | ○ | 900 | ● | 3130 |
| 336260 | MFL20-20-200-M10 | 1 | 200 | 20 | 20 | - | - | | | ○ | 1100 | ● | 3950 |
| 336262 | MFL20-20-250-M10 | 1 | 250 | 20 | 20 | - | - | | | ○ | 1300 | ● | 4650 |
| 336264 | MFL20-20-300-M10 | 1 | 300 | 20 | 20 | - | - | | | ○ | 1600 | ● | 5360 |
| 336266 | MFL20-20-400-M10 | 1 | 400 | 20 | 20 | - | - | | | ○ | 1800 | ● | 6200 |
| 336268 | MFL20-25-200-M10DT90 | 2 | 200 | 25 | 19.8 | 90 | 1.6° | | | ○ | 2000 | ○ | 6800 |
| 336270 | MFL20-25-250-M10DT115 | 2 | 250 | 25 | 19.8 | 115 | 1.25° | | | ○ | 2300 | ○ | 7900 |
| 336272 | MFL20-25-300-M10DT135 | 2 | 300 | 25 | 19.8 | 135 | 1.1° | | | ○ | 2800 | ○ | 9800 |
| 336274 | MFL24-24-200-M12 | 1 | 200 | 24 | 24 | - | - | M12X1.75 | 12.5 | ○ | 1200 | ● | 4030 |
| 336276 | MFL24-24-250-M12 | 1 | 250 | 24 | 24 | - | - | | | ○ | 1200 | ● | 4300 |
| 336278 | MFL25-25-100-M12 | 1 | 100 | 25 | 25 | - | - | M12X1.75 | 12.5 | ○ | 1400 | ● | 4670 |
| 336280 | MFL25-25-150-M12 | 1 | 150 | 25 | 25 | - | - | | | ○ | 1600 | ● | 5360 |
| 336282 | MFL25-25-200-M12 | 1 | 200 | 25 | 25 | - | - | | | ○ | 2000 | ● | 6700 |
| 336284 | MFL25-25-250-M12 | 1 | 250 | 25 | 25 | - | - | | | ○ | 2300 | ● | 7860 |
| 336286 | MFL25-25-300-M12 | 1 | 300 | 25 | 25 | - | - | | | ○ | 2800 | ● | 9600 |
| 336288 | MFL25-25-350-M12 | 1 | 350 | 25 | 25 | - | - | | | ○ | 3000 | ● | 11200 |
| 336290 | MFL25-32-200-M12DT90 | 2 | 200 | 32 | 24.5 | 90 | 2.3° | | | ○ | 2600 | ○ | 8500 |
| 336292 | MFL25-32-250-M12DT115 | 2 | 250 | 32 | 24.5 | 115 | 1.75° | | | ○ | 3300 | ○ | 12000 |
| 336294 | MFL25-32-300-M12DT135 | 2 | 300 | 32 | 24.5 | 135 | 1.5° | | | ○ | 4000 | ○ | 13500 |
| 336296 | MFL29-29-250-M16 | 1 | 250 | 29 | 29 | - | - | M16X2.0 | 17 | ○ | 2800 | ● | 9300 |
| 336298 | MFL32-32-150-M16 | 1 | 150 | 32 | 32 | - | - | M16X2.0 | 17 | ○ | 2000 | ● | 6600 |
| 336300 | MFL32-32-200-M16 | 1 | 200 | 32 | 32 | - | - | | | ○ | 2600 | ● | 8500 |
| 336302 | MFL32-32-250-M16 | 1 | 250 | 32 | 32 | - | - | | | ○ | 3300 | ● | 11150 |
| 336304 | MFL32-32-300-M16 | 1 | 300 | 32 | 32 | - | - | | | ○ | 4000 | ● | 13400 |
| 336306 | MFL32-32-350-M16 | 1 | 350 | 32 | 32 | - | - | | | ○ | 4500 | ○ | 15400 |
| 336308 | MFL32-32-400-M16 | 1 | 400 | 32 | 32 | - | - | | | ○ | 5000 | ○ | 17500 |
| 336310 | MFL42-42-250-M20 | 1 | 250 | 42 | 42 | - | - | M20X2.5 | 21 | ○ | 4000 | ○ | 15000 |
| 336312 | MFL42-42-300-M20 | 1 | 300 | 42 | 42 | - | - | | | ○ | 4500 | ○ | 18000 |
| 336314 | MFL42-42-400-M20 | 1 | 400 | 42 | 42 | - | - | | | ○ | 5000 | ○ | 25000 |
| 336316 | MFL42-42-500-M20 | 1 | 500 | 42 | 42 | - | - | | | ○ | 6000 | ○ | 32000 |