

● Face milling tools

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth.(inch) | Applicable insert | Application overview | Features |
|-------------------|---|--|---|--|--|
| Face milling | FMA01  P200-201 | Kr=45° apmax=0.236 | SEET12T3-DF/DM/DR SEET12T3-CF/CM/CR SEET12T3-EF/EM SEET12T3-LH/W | General face milling the following material: Steel, alloy steel, stainless steel, cast iron, aluminium alloy, high temperature alloy | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø12.00" Large rake angle designed makes cutting more light and fast Wide applications can achieve using available inserts with different chipbreaker Adopting wiper inserts improve surface quality |
| | | Kr=45° apmax=0.384 | SEET18T6-DM/EM/W | | |
| | FMA02  P202 | Kr=45° apmax=0.236 | SEET12T3-DF/DM/DR SEET12T3-CF/CM/CR SEET12T3-EF/EM SEET12T3-LH/W | General face milling the following material: Steel, alloy steel, stainless steel, cast iron, aluminium alloy, high temperature alloy | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø5.00" Large rake angle designed makes cutting more light and fast Wide applications can achieve using available inserts with different chipbreaker Coarse and differential pitch, reduce vibration |
| | | Kr=45° apmax=0.217 | SE□N1203AF□□ SE□R1203AF□□ | General face milling steel, stainless steel, cast iron | <ul style="list-style-type: none"> Diameter range Ø3.00"~Ø12.00" Large rake angle makes cutting more light and fast Top clamping achieves better reduces vibrations resistance |
| | FMA03  P205 | Kr=45° apmax=0.295 | SE□N1504AF□□ SE□R1504AF□□ | | |
| | | Kr=45° apmax=0.138 | OFKT05T3-DF/DM OFKT05T3-LH | Face milling steel, alloy steel, cast iron, aluminum alloy | <ul style="list-style-type: none"> Diameter range Ø2.00"~ Ø6.00" High economy milling tool with 8 cutting edges Screw clamping, high precision |
| | FMA04  P208 | Kr=45° apmax=0.197 | OFKR0704-DF/DM | Face milling steel, alloy steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø5.00"~Ø8.00" High economy milling tool with 8 cutting edges Top clamping is easy to assemble and disassemble |
| | | Kr=45° apmax=0.216 | SNEG1205ANR-GM/HGR/W | General face milling steel, stainless steel, high-temperature alloy, cast iron | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø12.00" Double-sided chipbreaker milling insert has eight cutting edges and high economy Large rake angle design and unique chip breaker structure of insert lead to low power consumption Double negative rake angle structure and super thick insert has higher safety and outstanding toughness, which can realize great depth cutting Insert has excellent machining performance with wiper edge |
| | | Kr=45° apmax=0.275 | SNEG1506ANR-GM/HGR/W | | |
| | | Kr=45° apmax=0.354 | SNEG1907ANR-HGR | | |
| | FMA12  P219 | Kr=45° apmax=0.157 | ONHU060404ANN-GL ONHU060408ANN-GM/GH | General face milling steel, stainless steel, cast iron | <ul style="list-style-type: none"> Diameter range Ø2.50"~Ø12.00" High Performance Face Mill with 16 edges for outstanding economy Double negative rake angle, in combination with helical insert structure, achieves double positive axial angle, which will help reduce cutting resistance and improve chip evacuation Unique 3-dimentional edge |
| | | Kr=45° apmax=0.197 | ONHU08T624R-GM | | |
| | FMA14  P222页 | Kr=45° apmax=0.217 | PNEG110512-GL PNEG110530-GM PNEG110530-GH | General face milling for steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø12.00" 10 cutting edges high economy milling cutter 45° approach angle balanced design Great capability of anti-vibration ensures higher surface quality |
| | FMD02  P225-226 | Kr=67° apmax=0.197 | PNEG110512R/L-CF/CM/CR | Face milling of cast iron and steel | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø12.00" High-economy milling tool with 10 cutting edges |
| | | Kr=67° apmax=0.276 | PNEG110512R/L-PF/PM/PR | | |
| | | Kr=67° apmax=0.256 | PNEG110512-KH/KM/KL | | |
| | FMD03  P229 | Kr=60° apmax=0.472 | LNKT2007DN-ZR | Heavy-duty face milling of steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø5.00"~Ø12.00" Double positive rake angles can reduce cutting forces Inserts are mounted upright, suitable for heavy machining with high cutting depth Easy to assemble and clamp inserts |
| | | Kr=60° apmax=0.669 | LNKT2510-ZR | | |

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth. (inch) | Applicable insert | Application overview | Features |
|-------------------|---|---|--|--|---|
| Face milling | FMD04  | Kr=67° $a_p\max=0.472$ P231 | PNGU170712R-GR PNGU170712-HDR | Rough milling of steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø5.00"~Ø12.00" High-economy milling tool with 10 cutting edges Double negative rake angle, in combination with helical insert structure, achieves double positive axial angle, which will help reduce cutting resistance and improve chip evacuation |
| | FME04  | Kr=75° $a_p\max=0.472$ P233 | LNKT1506EN-ZR | Heavy-duty face milling of steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø5.00"~Ø12.00" Double positive rake angles can reduce the cutting force Inserts are mounted upright, suitable for heavy machining at high cutting depth Easy to assemble and clamp inserts |
| | FMP01  | Kr=90° $a_p\max=0.709$ P235 | TP□N2204PDD TPKN2204PDF□ TPKN2204PDT□ | Face milling steel, alloy steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø3.00"~Ø12.00" Kr 90°, square shoulder milling Top clamping is easy to assemble and disassemble |
| | FMP02  | Kr=90° $a_p\max=0.285$ P237 | SEET09T308PER-APF/ APM/APR | Face milling steel, alloy steel, stainless steel, cast iron and AL alloy | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø10.00" Kr 90°, for square shoulder milling Different pitch design: coarse pitch, close pitch and extra close pitch High precision insert, high work-piece surface quality Optimized chipbreaker and grade, for finish machining, semi-finish machining and rough machining |
| | | Kr=90° $a_p\max=0.425$ | SEET120308PER-APF/ APM/APR SEET120308-LH | | |
| | FMP03  | Kr=90° $a_p\max=0.512$ P240 | LNKT1506EN-ZR | Heavy-duty face milling of steel and alloy steel | <ul style="list-style-type: none"> Diameter range Ø5.00"~Ø12.00" Double positive rake angles can reduce the cutting force Inserts are mounted upright, suitable for heavy machining at high cutting depth Easy to assemble and clamp inserts |
| | | Kr=90° $a_p\max=0.669$ | LNKT2007DN-ZR | | |
| | | Kr=90° $a_p\max=0.866$ | LNKT2510-ZR | | |
| | FMP12  | Kr=90° $a_p\max=0.224$ P243 | WNHU060404PNR-GM WNHU060408PNR-GM | Steel, alloy steel, cast iron and AL alloy | <ul style="list-style-type: none"> Diameter range Ø2.00"~Ø6.00" 90° approach angle can be used for shoulder milling, face milling, groove milling, etc Six cutting edges Double negative angle of the tool body combined with unique insert structure to achieve double positive tool angle, reducing cutting forces |
| | | Kr=90° $a_p\max=0.303$ | WNHU080608PNR-GM WNHU080612PNR-GM WNHU080616PNR-GM WNHU080608PNR-LH | | |
| | FMP12  | Kr=90° $a_p\max=0.224$ P244 | WNHU060404PNR-GM WNHU060408PNR-GM | | <ul style="list-style-type: none"> Diameter range Ø1.00"~Ø2.00" 90° approach angle can be used for shoulder milling, face milling, groove milling, etc Six cutting edges Double negative angle of cutter body combined with unique insert structure to achieve double positive tool angle, reducing cutting forces |
| | FMR01  | $a_p\max=0.197$ P246 | RCKT10T3MO-DM | Cavity profile milling steel, alloy steel, stainless steel, high-temperature alloy and cast iron | <ul style="list-style-type: none"> Diameter range Ø1.00"~Ø2.00" R-type inserts possess stronger cutting edges Suitable for machining curved surface of mould Economical milling cutters with screw clamping |
| | | $a_p\max=0.236$ | RCKT1204MO-DM/DR/ER/NM | | |

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● Face milling tools

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth. (inch) | Applicable insert | Application overview | Features |
|-------------------|--|---|-----------------------------|---|--|
| Face milling | FMR02  P249 | $a_p\max=0.236$ | RCKT1204MO-DM/DR/ER/NM | Face milling and cavity profile milling steel, alloy steel, stainless steel, high-temperature alloy and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 2.50'' \sim \varnothing 6.00''$ R-type inserts possess stronger cutting edges Suitable for machining curved surface of mould Economical milling tools with screw clamping |
| | | $a_p\max=0.315$ | RCKT1606MO-DM/DR/ER/NM | | |
| | | $a_p\max=0.394$ | RCKT2006MO-DR/ER/NM | | |
| | FMR03  P253 | $a_p\max=0.157$ | RDKW0803MO | Cavity profile milling steel, alloy steel, stainless steel, high-temperature alloy and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 1.00'' \sim \varnothing 2.00''$ R-type inserts possess stronger cutting edges Suitable for machining curved surface of mould Economical milling tools with screw clamping |
| | | $a_p\max=0.197$ | RDWT10T3MO RDKT10T3MO-NM | | |
| | | $a_p\max=0.236$ | RDWT1204MO | | |
| | FMR04  P256 | $a_p\max=0.236$ | RDWT1204MO | Face milling and cavity profile milling steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 2.00'' \sim \varnothing 6.00''$ R-type inserts possess stronger cutting edges Suitable for machining curved surface of mould |
| | | $a_p\max=0.315$ | RDWT1605MO | | |
| | | $a_p\max=0.394$ | RDWT2006MO | | |
| | FMR05  P259  P260 | $a_p\max=0.125$ | RPMW2T200 | Cavity profile milling steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 0.625'' \sim \varnothing 1.75''$ R-type inserts possess stronger cutting edges Suitable for machining curved surface of mould Economical milling cutters with screw clamping |
| | | $a_p\max=0.180$ | RPMW3(2.5) | | |
| | | $a_p\max=0.250$ | RPMW43 | | |
| | | $a_p\max=0.250$ | RPMW43 | Face milling and cavity profile milling steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 2.00'' \sim \varnothing 8.00''$ R-type inserts possess stronger cutting edges Suitable for machining curved surface of mould Economical milling tools with screw clamping |
| | | $a_p\max=0.315$ | RPMW50500 | | |
| | | $a_p\max=0.375$ | RPMW64 | | |

● Square shoulder milling tools

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth.(inch) | Applicable insert | Application overview | Features |
|-------------------------|---|--|--------------------------------------|--|--|
| Square shoulder milling | EMP01  P263-264 | $Kr=90^\circ$ $a_p\max=0.433$ | APKT11T3□□-APF/APM APKT11T3□□-ALH | Multi-function milling steel, alloy steel, stainless steel, cast iron and Al alloy | <ul style="list-style-type: none"> Two mounting modes: Straight shank and Weldon shank, Diameter range $\varnothing 0.50'' \sim \varnothing 2.50''$ Kr 90°, for square shoulder milling, slot milling, ramp milling etc Wiper inserts also suitable for face milling Inserts with 3D helical cutting edge, less cutting force |
| | | $Kr=90^\circ$ $a_p\max=0.630$ | APKT160408-APF/APM APKT160408-ALH | | |
| | EMP02  P269 | $Kr=90^\circ$ $a_p\max=0.433$ | APKT11T3□□-APF/APM APKT11T3□□-ALH | Face milling steel, alloy steel, stainless steel, cast iron and Al alloy | <ul style="list-style-type: none"> Diameter range $\varnothing 2.00'' \sim \varnothing 8.00''$ Kr 90°, for square shoulder milling Wiper inserts also suitable for face milling Inserts with 3D helical cutting edge, less cutting force |
| | | $Kr=90^\circ$ $a_p\max=0.630$ | APKT160408-APF/APM APKT160408-ALH | | |

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth.(inch) | Applicable insert | Application overview | Features |
|-------------------------|---------------------------------|---|--|---|---|
| Square shoulder milling | EMP03 | Kr=90° $a_{pmax}=1.535$ P272 | APKT11T3□□-APF/APM APKT11T3□□-ALH | Adopting large cutting depth, for milling steel, alloy steel, stainless steel, cast iron and Al alloy | <ul style="list-style-type: none"> Diameter range $\varnothing 2.00'' \sim \varnothing 4.00''$ End milling tools with positive helical angle, good chip removal For side face milling and slot machining Close pitch, high machining efficiency |
| | EMP04 | Kr=90° $a_{pmax}=1.157 \sim 2.283$ P273 | APKT11T3□□-APF/APM APKT11T3□□-ALH | Adopting large cutting depth, for milling steel, alloy steel, stainless steel, cast iron and Al alloy | <ul style="list-style-type: none"> Diameter range $\varnothing 0.75'' \sim \varnothing 1.50''$ End milling tools with positive helical angle, good chip removal For side face milling and slot machining Close pitch, high machining efficiency |
| | EMP09 <i>New</i> P277 | Kr=90° $a_{pmax}=0.315$ | LNKT0804□□PNR-GM/GL | Multifunction milling machining for steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 1.00'' \sim \varnothing 1.50''$ 2 kinds of interface of straight shank and Weldon shank With 90° approach angle, the cutter can be used in shoulder milling, chamfer milling and other tangential machining, and the cutter can stand greater cutting force |
| | | Kr=90° $a_{pmax}=0.453$ | LNKT1206□□PNR-GM/GL | Face milling for steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 1.50'' \sim \varnothing 6.00''$ With 90° approach angle, the cutter can be used in shoulder milling, chamfer milling and other tangential machining, and the cutter has better rigidity |
| | P278-279 | Kr=90° $a_{pmax}=0.315$ | LNKT0804□□PNR-GM/GL | | |
| | | Kr=90° $a_{pmax}=0.453$ | LNKT1206□□PNR-GM/GL | | |
| | P278-279 | Kr=90° $a_{pmax}=0.591$ | LNKT1607□□PNR-GM/GL | | |
| | | Kr=90° $a_{pmax}=1.7$ | LNKT1206□□PNR-GM/GL | Large cutting depth milling for steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 1.50'' \sim \varnothing 3.00''$ Used in side milling and slot machining Spiral cutting-edge design ensures easier and faster cutting |
| | P280 | Kr=90° $a_{pmax}=1.215 \sim 1.5$ | LNKT0804□□PNR-GM/GL | Large cutting depth milling for steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range $\varnothing 1.00'' \sim \varnothing 1.25''$ Greater nose strength and sharper cutting-edge Used in side milling and slot machining Tangential inserts clamping style improves the capability of cutting force bearing |
| | P281 | Kr=90° $a_{pmax}=1.215 \sim 1.5$ | LNKT0804□□PNR-GM/GL | | |
| EMP13 P285 | Kr=90° $a_{pmax}=0.441$ | ANGX1105□□PNR-GM/ LH | Face milling steel, alloy steel, stainless steel and cast iron | | <ul style="list-style-type: none"> Diameter range $\varnothing 2.00'' \sim \varnothing 6.00''$ Kr 90°, for square shoulder milling Double negative rake angle of the tool body in combination with extra thick insert achieves double positive tool angle, which will help reduce cutting resistance and greatly improve impact resistance Properly designed cutting edge with high precision control can achieve high quality 90osquare shoulder milling |
| | Kr=90° $a_{pmax}=0.571$ | ANGX1506□□PNR-GM/ LH | | | |
| | P286 | Kr=90° $a_{pmax}=0.441$ | ANGX1105□□PNR-GM/ LH | Multi-function milling steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Two mounting modes: Straight shank and Weldon shank, Diameter range $\varnothing 0.75'' \sim \varnothing 1.50''$ Kr 90°, for square shoulder milling, slot milling, ramp milling ect Double negative rake angle of the tool body in combination with extra thick insert achieves double positive tool angle, which will help reduce cutting resistance and greatly improve impact resistance Properly designed cutting edge with high precision control can achieve high quality 90osquare shoulder milling |
| | | Kr=90° $a_{pmax}=0.571$ | ANGX1506□□PNR-GM/ LH | | |

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● Profile milling tools

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth. | Applicable insert | Application overview | Features |
|-------------------|---|--|-------------------|--|---|
| Profile milling | BMR02  | Cutting depth: see the detailed information about tool specifications P288 | ROHX□□ | Profile machining steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø0.625"~Ø1.00" Applied for profile finish machining Good assembly stability Insert with two cutting edges, perfect economical efficiency |
| | BMR04  | | | | |
| | | | ZOHX□□ | Profile machining steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø0.625"~Ø1.25" High precision, for finish profile machining Two types of chipbreaker, used in different machining condition High assembling precision, good stability |

● Special milling tools

| Operating pattern | Series/Shape | Approach angle / Max. cutting depth. | Applicable insert | Application overview | Features |
|-----------------------------|--|--|---------------------------|--|---|
| Special milling (high feed) | XMR01  | Cutting depth: see the detailed information about tool specifications P294 | SDMT□□-DM/PM/NM | Face and profile milling steel, stainless steel, high-temperature alloy and cast iron in cavity applications | <ul style="list-style-type: none"> Diameter range Ø0.75"~Ø6.00" Two mounting types: Straight shank and Arbor mounting The cutting forces are decomposed effectively, realize cutting with high feed rate For plunge milling Double clamping, firm and reliable |
| | P295  | | | | |
| | P297  | Cutting depth: see the detailed information about tool specifications P298 | WPGT□□ZSR WPGT□□ZSR-PM | Face and profile milling steel, stainless steel and cast iron in cavity applications | <ul style="list-style-type: none"> Diameter range Ø0.75"~Ø4.00" Two mounting types: Straight shank and Arbor mounting The cutting forces are decomposed effectively, realize cutting with high feed rate For plunge milling Double clamping, firm and reliable |
| | P298  | | | | |

● Chamfer milling tools

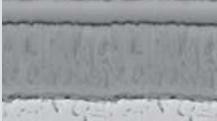
| Operating pattern | Series/Shape | Approach angle / Max. cutting depth. | Applicable insert | Application overview | Features |
|-------------------|---|--------------------------------------|-------------------|---|--|
| Chamfer machining | CMA01  | Kr=45° | SPMT120408 | Chamfer machining steel, alloy steel, stainless steel and cast iron | <ul style="list-style-type: none"> Diameter range Ø0.50"~Ø1.25" With the function of milling small surface |
| | CMD01  | Kr=60° | | | |

Milling insert grades overview

| ISO | | Coated grade | | | | Coated cermet | Cemented carbide | PCBN&PCD |
|-----|----------------------|--------------|--------|-----|--------|---------------|------------------|----------|
| | | CVD | | PVD | | | | |
| P | Steel | P01 | | | | | | |
| | P10 | | | | | | | |
| | P20 | | YBC302 | | | | | |
| | P30 | | YBM251 | | YBG202 | YNG151 | | |
| | P40 | | YBM253 | | YBG205 | YNG151C | | |
| M | Stainless steel | M01 | | | | | | |
| | M10 | | YBM251 | | YBG202 | YNG151 | | |
| | M20 | | YBM253 | | YBG205 | YNG151C | | |
| | M30 | | | | YBG320 | YNG151 | | |
| | M40 | | YBM351 | | YBG252 | YNG151C | | |
| K | Cast iron | K01 | | | | | | |
| | K10 | | YBD151 | | YBG102 | YD051 | | |
| | K20 | | YBD152 | | YBG102 | YNG151 | | |
| | K30 | | | | YBG152 | YNG151C | | |
| | K40 | | YBD252 | | YBG252 | YD051 | | |
| N | Non-ferrous metal | N01 | | | | | | |
| | N10 | | | | | | | |
| | N20 | | | | | | | |
| | N30 | | | | | | | |
| S | Heat-resistant steel | S01 | | | | | | |
| | S10 | | | | YBG202 | | | |
| | S20 | | | | YBS203 | | | |
| | S30 | | | | YBS303 | | | |
| H | Hardened material | H01 | | | | | | |
| | H10 | | | | | | | |
| | H20 | | | | | | | |
| | H30 | | | | | | | |

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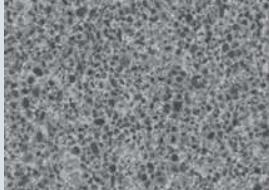
● Coated Cemented Carbide CVD

| Grade | Coating structure | Micro-structure | ISO applied range | Application field |
|---------------|---|---|-------------------|--|
| YBM251 | Combination of high toughness and strength substrate and the coating comprised of TiCN, thin Al ₂ O ₃ , TiN |  | P15~40 | Applicable for semi-finish and rough milling P, M type materials |
| | | | M10~30 | |
| YBM253 | Combination of high-toughness gradient substrate and coating composed of TiCN and ultra fine Al ₂ O ₃ |  | P15~40 | Suitable for rough milling of P, M-type material |
| | | | M10~30 | |
| YBM351 | Combination of high toughness substrate and the coating composed of TiCN, thin Al ₂ O ₃ , TiN |  | P25~40 | Applicable for rough milling P, M type materials |
| | | | M20~35 | |
| YBD152 | Good combination of substrate with high wear-resistance and coating composed of TiCN and thick Al ₂ O ₃ |  | K05~25 | Suitable for finish and semi-finish milling of K-type material |
| YBD252 | Good combination of substrate with high wear-resistance and coating composed of TiCN and thick Al ₂ O ₃ |  | K15~35 | Suitable for rough and semi-finish milling of K-type material |
| YBC302 | Combination of high toughness, high strength substrate and coating composed of TiCN, thin Al ₂ O ₃ and TiN |  | P15~35 | Suitable for rough and semi-finish milling of P type material |

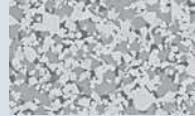
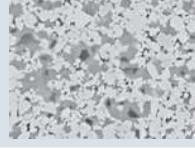
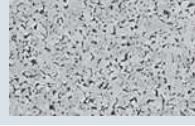
● Coated Cemented Carbide PVD

| Grade | Coating structure | ISO applied range | Application field |
|---------------|---|-------------------|---|
| YBG102 | Fine grain carbide substrate+Nano coating | K05~20 | Applicable for finish and semi-finish milling K type material |
| YBG202 | Carbide substrate with excellent deformation resistance +Nano coating | P10~30 | PVD grade with wide application,widely applicable for semifinish milling type P,M,S materials |
| | | M10~30 | |
| | | S05~20 | |
| YBG205 | Ultra fine carbide substrate + Nano coating | P10~30 | Suitable for rough milling of P, M type material |
| | | M10~30 | |
| YBG302 | Substrate with high toughness and strength + Nano-coating | P25~40 | Applicable for rough milling type P and M materials |
| | | M25~40 | |
| YBG152 | Substrate with reasonable hardness and strength + Nano coating | K20~35 | Applicable for rough and semi-finish milling type K material |
| YB9320 | Substrate with good toughness and strength +TiAIN Nano coating | P10~30 | PVD grade with wide application,widely applicable for semifinish milling type P,M materials |
| | | M10~30 | |
| YBS203 | Substrate with marvelous anti-deformation capability + nano coating | S10~20 | Grade for S material's general machining, suitable for S material's milling |
| YBS303 | Substrate with both good toughness and strength + nano coating | S20~30 | Grade for S material's roughing, especially suitable for milling Ti-alloy |

● Cermet

| Grade | Coating structure | ISO applied range | Application field |
|---------|---|-------------------|---|
| YNG151 |  | P05~20 | Wide application of finish milling P, M, K type materials |
| | | M05~20 | |
| | | K05~20 | |
| YNG151C |  | P01~20 | Wide application of finish milling P, M, K type materials |
| | | M01~20 | |
| | | K01~20 | |

● Cemented Carbide

| Grade | Coating structure | ISO applied range | Application field |
|-------|---|-------------------|---|
| YC30S |  | P25~40 | Applicable for roughing milling Code P, M type materials |
| | | M25~40 | |
| YD051 |  | K05~20 | Applicable for finishing milling type K material |
| YD101 |  | N05~25 | Applicable for semi-finish and finish milling type N material |
| YD201 |  | K15~35 | Applicable for rough and semi-finish type K material, and for rough milling type N material |
| | | N15~30 | |

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