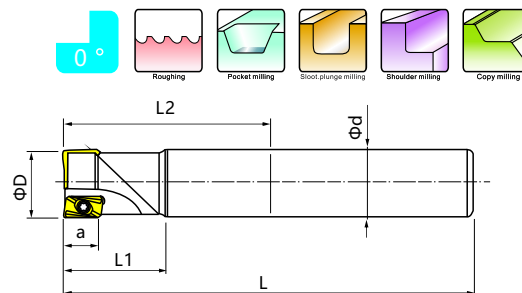
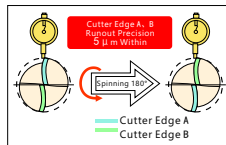


### ■ AHU Right-angle Shoulder End Mill

✎ Cutting Parameters : R17-R18  
Accessory : P01



**HITACHI**



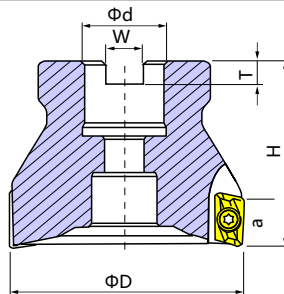
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.

| Type<br>Cat. No    | Dimension Size |    |     |    | No. of<br>Flutes | a  | Insert        | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|--------------------|----------------|----|-----|----|------------------|----|---------------|--------|--------|-------|-----------------|----------------|
|                    | D              | d  | L   | L1 |                  |    |               |        |        |       |                 |                |
| AHU10R10-10-100-1T | 10             | 10 | 100 | 30 | 1                | 9  | JDM T 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 | JDM T 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            |

## ■ AHUB型 Right-angle Shoulder Shell Face End Mill

**HITACHI**

✎ Cutting Parameters :  
R17-R18  
Accessory : P01



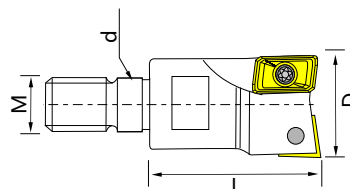
- ★ Blade economy, the applicability of high
- ★ Capacity chip a large space, good chip disposal
- ★ Cone design, steel high

| Type<br>Cat. No | Dimension Size |    |    |      |     |    | Insert       | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|----------------|----|----|------|-----|----|--------------|-------|--------|-------|-----------------|----------------|
|                 | D              | d  | H  | W    | T   | a  |              |       |        |       |                 |                |
| 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 type cutter (can be installed JDMT1003..) are available, prices and parameters please consult our customer service.

## ■ AHUM Shoulder/Cutting End Mills(AHUM)

✎ Cutting Parameters : R17-R18  
Accessory : P01



| Type<br>Cat. No | Size |    |      |     | Teeth | Insert     | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|------|-----|-------|------------|--------|--------|-------|-----------------|----------------|
|                 | D    | L  | d    | M   |       |            |        |        |       |                 |                |
| 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            |

Applicable for: HITACHI

### Used Insert

| Type<br>Cat. No. | PTH30E | SH8020 | TB6045 | PTH40H | PTH13S | JX8045 | JP4020 | Shape<br>Insert shape | Size (mm) |      |     |     | Order Number |
|------------------|--------|--------|--------|--------|--------|--------|--------|-----------------------|-----------|------|-----|-----|--------------|
|                  |        |        |        |        |        |        |        |                       | A         | B    | T   | R   |              |
| JDMT100302R      | ●      | ●      |        |        |        |        | ●      |                       | 11        | 6.1  | 3.5 | 0.8 | 323200       |
| JDMT100304R      | ●      | ●      | ●      |        | ●      |        | ●      |                       | 11        | 6.1  | 3.5 | 0.4 | 323202       |
| JDMT100308R      | ●      | ●      | ●      | ●      | ●      |        | ●      |                       | 11        | 6.1  | 3.5 | 0.8 | 323204       |
| JDMT100320R      | ●      | ●      |        |        |        |        | ●      |                       | 11        | 6.1  | 3.5 | 2.0 | 323206       |
| JDMT150504R      |        | ●      |        |        | ●      | ●      | ●      |                       | 16        | 9.12 | 5   | 0.4 | 323208       |
| JDMT150508R      |        | ●      | ●      |        | ●      | ●      | ●      |                       | 16        | 9.12 | 5   | 0.8 | 323210       |
| JDMT150520R      |        |        |        |        |        | ●      | ●      |                       | 16        | 9.12 | 5   | 2.0 | 323212       |
| JDMT150530R      | ●      |        | ●      |        |        | ●      | ●      |                       | 16        | 9.12 | 5   | 3.0 | 323214       |

■ Tilt can be processed.

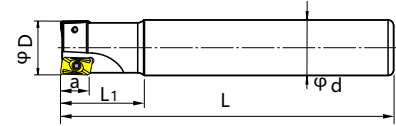
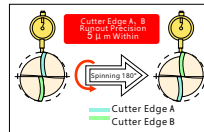
Machinable generally difficult to cut steel and steel products,  
most suitable for machining turbine blades.



### ■ ASM Right-angle Shoulder Precise End Mill

**HITACHI**

✎ Cutting Parameters :  
R17-R18  
Accessory : P01

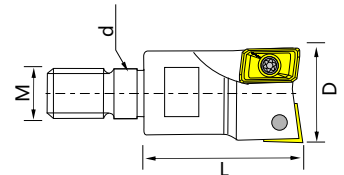


- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.

| Type<br>Cat. No    | Dimension Size |    |     |    | Insert     | Screw  | Wrench | Stock | Order Number | Price (RMB) |
|--------------------|----------------|----|-----|----|------------|--------|--------|-------|--------------|-------------|
|                    | D              | d  | L   | L1 |            |        |        |       |              |             |
| 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 ASMM07 Super Excellent Mini ASM-Modular type

✎ Cutting Parameters : R17-R18  
Accessory : P01



| Type<br>Cat. No | Size |    |      |     | Teeth | Insert                       | Screw  | Wrench | Stock | Order Number | Price (RMB) |
|-----------------|------|----|------|-----|-------|------------------------------|--------|--------|-------|--------------|-------------|
|                 | D    | L  | d    | M   |       |                              |        |        |       |              |             |
| ASMM0708R-1     | 8    | 20 | 6.5  | M6  | 1     | JDMT0702...R<br>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         |

Applicable for: HITACHI

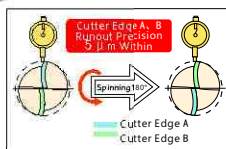
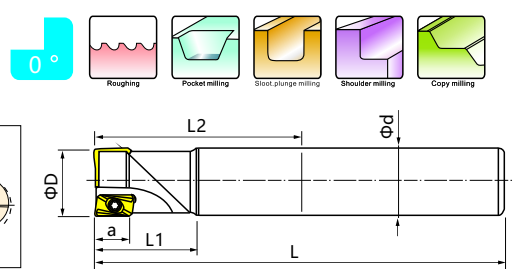
Used Insert

| Type<br>Cat. No. | JX1020 | PTH20E | Shape<br>Insert shape | Size (mm) |     |      |     | Order Number |
|------------------|--------|--------|-----------------------|-----------|-----|------|-----|--------------|
|                  |        |        |                       | A         | B   | T    | R   |              |
| JDMT070202       | ●      | ●      |                       | 6.4       | 4.3 | 2.45 | 0.2 | 323500       |
| JDMT070204       | ●      | ●      |                       | 6.4       | 4.3 | 2.45 | 0.4 | 323502       |
| JDMT070208       | ●      | ●      |                       | 6.4       | 4.3 | 2.45 | 0.8 | 323504       |
| EDMT070220       | ●      |        |                       | 6.4       | 4.3 | 2.5  | 2   | 323506       |
| EDMT070220-T     | ●      |        |                       | 6.4       | 4.3 | 2.5  | 2   | 323508       |

- Tilt can be processed.
- Machinable generally difficult to cut steel and steel products, most suitable for machining turbine blades.

## ■ AP1003 Right-angle Shoulder End Mill

**HITACHI**



✎ Cutting Parameters : R17-R18  
Accessory : P01

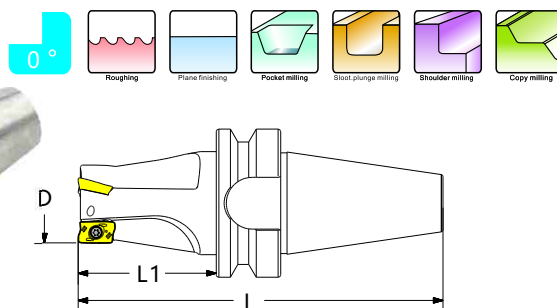
- ★ Suitable for heavy cutting, rotary and feed volume is 3 times the normal cutter.
- ★ Blade sharp, strong.

| Type<br>Cat. No     | Dimension Size |    |     |    | No. of<br>Flutes | a | Insert     | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|---------------------|----------------|----|-----|----|------------------|---|------------|--------|--------|-------|-----------------|----------------|
|                     | D              | d  | L   | L1 |                  |   |            |        |        |       |                 |                |
| 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

AP10 integrated high strength square shoulder milling cutter

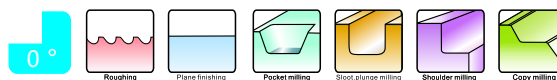
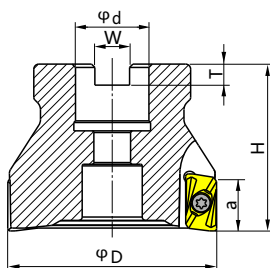
✎ Cutting Parameters : R17-R18  
Accessory : P01



| Type<br>Cat. No | Blade<br>number | Long | Tip of the BT taper<br>shank length | Diameter | Insert   | Stock | Order<br>Number | Price<br>(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           |
|                 |                 |      |                                     |          |          |       | 323708          |                |
| 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

AP Right angle shoulder face mill



✎ Cutting Parameters :  
R17-R18  
Accessory : P01

- ★ 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

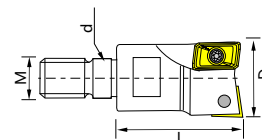
| Type<br>Cat. No | 刃数<br>No. of<br>flutes | Size |    |    |      | Insert               | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------------------------|------|----|----|------|----------------------|--------|--------|-------|-----------------|----------------|
|                 |                        | D    | d  | H  | W    |                      |        |        |       |                 |                |
| AP1003R40-16-5T | 5                      | 40   | 16 | 40 | 10.4 | APKT1003<br>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            |





## BAPM BAPM Shoulder/Cutting End Mills(BAPM)

→ Cutting Parameters : R17-R18  
Accessory : P01



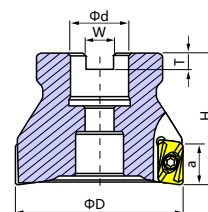
| Type<br>Cat. No | Size |    |      |     | Teeth | Insert       | Clamp | Screw    | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|------|-----|-------|--------------|-------|----------|--------|-------|-----------------|----------------|
|                 | D    | L  | d    | M   |       |              |       |          |        |       |                 |                |
| 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     | APMT1604PDER | --    | M4X9     | T15    | ●     | 324110          | 200            |
| BAP4R252M12     | 25   | 35 | 12.5 | M12 | 2     |              |       |          |        | ●     | 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            |

Applicable for: MITSUBISHI

## BAP型 Right-angle Shoulder Face Milling



→ Cutting Parameters : R17-R18  
Accessory : P01



- ★ 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

| Type<br>Cat. No     | Dimension Size |       |    |      |     |    | Insert        | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|---------------------|----------------|-------|----|------|-----|----|---------------|--------|--------|-------|-----------------|----------------|----------------|
|                     | D              | d     | H  | W    | T   | a  |               |        |        |       |                 |                |                |
| 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           |

Used Insert

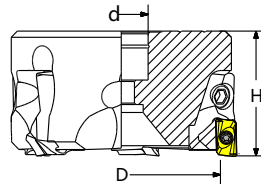
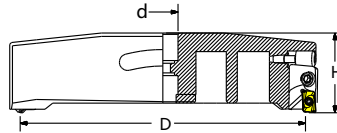
| 图示 | Type<br>Cat. No. | F7030 | F620 | VP15TF | UP20M | NX2525 | NX4545 | UT120T | HT110 | NCM325 | PC3535 | PC3545 | PC3530 | PC6510 | P201 | H101 | Shape<br>Insert shape | Size (mm) |       |      |     |     | Order Number |
|----|------------------|-------|------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|------|------|-----------------------|-----------|-------|------|-----|-----|--------------|
|    |                  |       |      |        |       |        |        |        |       |        |        |        |        |        |      |      |                       | L1        | L2    | S1   | F1  | Re  |              |
|    | APMT1135PDER-H1  | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 1.5 | 0.4 | 324300       |
|    | 1135PDER-H2      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 1.2 | 0.8 | 324302       |
|    | 1135PDER-H3      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 0.8 | 1.2 | 324304       |
|    | 1135PDER-H4      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 0.4 | 1.6 | 324306       |
|    | APMT1135DDR      |       |      |        |       |        |        |        |       |        |        |        |        |        | ●    |      |                       | 11        | 6.35  | 3.5  | 0.4 | 0.8 | 324308       |
|    | APMT1135PDER-M0  | ●     |      |        |       |        |        |        |       |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 1.8 | 0.2 | 324310       |
|    | 1135PDER-M1      | ●     |      |        |       |        |        |        |       |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 1.5 | 0.4 | 324312       |
|    | 1135PDER-M2      | ●     | ●    | ●      |       | ●      |        |        |       |        |        |        |        |        |      |      |                       | 11        | 6.35  | 3.5  | 1.2 | 0.8 | 324314       |
|    | APMT1604DDR      |       |      |        |       |        |        |        |       |        |        |        |        |        | ●    |      |                       | 11        | 6.35  | 3.5  | 1.2 | 0.8 | 324316       |
|    | APMT1604PDER-H1  | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 0.4 | 324318       |
|    | 1604PDER-H2      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 0.8 | 324320       |
|    | 1604PDER-H4      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 1.6 | 324322       |
|    | 1604PDER-H6      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 2.4 | 324324       |
|    | 1604PDER-H8      | ●     | ●    | ●      | ●     | ●      | ●      | ●      | ●     |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 3.2 | 324326       |
|    | APMT1604PDER-M2  | ●     | ●    | ●      |       | ●      |        |        |       |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 0.8 | 324328       |
|    | APGT1604PFDR-G2  | ●     |      |        |       |        |        |        | ●     |        |        |        |        |        |      |      |                       | 16.5      | 9.525 | 4.76 | 1.7 | 0.8 | 324330       |
|    | APKT160402PDSR   |       |      |        |       |        |        |        |       | ●      | ●      | ●      | ●      | ●      | ●    | ●    |                       | 16.4      | 9.525 | 4.76 | —   | 0.2 | 324332       |



### AP

#### AP rectangular aluminum alloy surface milling cutter

✎ Cutting Parameters : R17-R18  
Accessory : P01



- ★ High strength aluminum alloy knife 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!

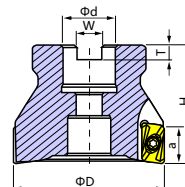
| Type<br>Cat. No   | Diameter<br>D | Inner hole<br>d | Blade<br>number | High<br>H | Applicable<br>Fit holder | Insert   | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|---------------|-----------------|-----------------|-----------|--------------------------|----------|-------|-----------------|----------------|
| MA-AP74-A22Z04    | 74            | 22              | 4               | 51        | AP16-G                   | APKT1604 | ●     | 324400          | 1450           |
| MA-AP91-A22Z05    | 91            | 22              | 5               | 51        |                          |          | ●     | 324402          | 1900           |
| MA-AP111-A27Z06   | 111           | 27              | 6               | 51        |                          |          | ●     | 324404          | 2400           |
| MA-AP111-B25.4Z06 | 111           | 25.4            | 6               | 51        |                          |          | ●     | 324406          | 2400           |
| MA-AP136-A27Z08   | 136           | 22              | 8               | 51        |                          |          | ●     | 324408          | 3100           |
| MA-AP171-A40Z08   | 171           | 27              | 8               | 55        |                          |          | ●     | 324410          | 3400           |
| MA-AP211-A40Z10   | 211           | 27              | 8               | 55        |                          |          | ●     | 324412          | 4200           |
| MAQ-AP311-A40Z12  | 311           | 27              | 8               | 55        | AP16-F                   |          | ●     | 324414          | 5000           |
| MAQ-AP171-A22Z02  | 171           | 22              | 2               | 58        |                          |          | ●     | 324416          | 1900           |
| MAQ-AP221-A22Z02  | 221           | 22              | 2               | 58        |                          |          | ●     | 324418          | 2285           |
| MAQ-AP261-A22Z02  | 261           | 22              | 2               | 58        |                          |          | ●     | 324420          | 2370           |
| MAQ-AP326-A27Z02  | 326           | 27              | 2               | 65        |                          |          | ●     | 324422          | 3150           |

### ■ R390

#### Right-angle Shoulder Face Milling



✎ Cutting Parameters : R17-R18  
Accessory : P01



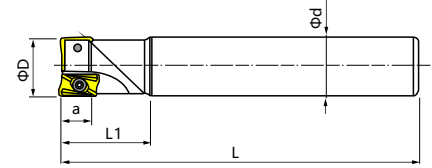
- ★ Adapter grinding blade Sandvik
- ★ High precision, suitable for finishing
- ★ Cone design, steel high

| Type<br>Cat. No   | Dimension Size |    |    |      |     | Insert      | Screw   | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|----------------|----|----|------|-----|-------------|---------|--------|-------|-----------------|----------------|
|                   | D              | d  | H  | W    | T   |             |         |        |       |                 |                |
| 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 Right-angle Shoulder Precise End Mill

**SANDVIK**  
Coromant



✎ Cutting Parameters : R17-R18  
Accessory : P01

- ★ Adapter grinding blade Sandvik
- ★ High precision, suitable for finishing

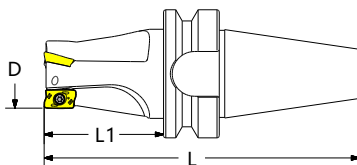
| Type<br>Cat. No      | Dimension Size |    |     |    |    | Insert      | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|----------------------|----------------|----|-----|----|----|-------------|--------|--------|-------|-----------------|----------------|----------------|
|                      | D              | d  | L   | L1 | a  |             |        |        |       |                 |                |                |
| 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 R390 integrated high strength square shoulder milling cutter

✎ Cutting Parameters : R17-R18  
Accessory : P01



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

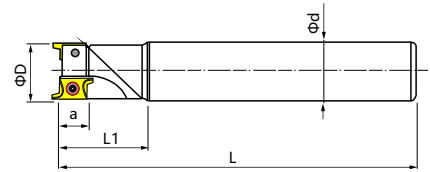


| Type<br>Cat. No | Blade<br>number | L<br>Long | L1<br>Effective<br>length | D<br>Diameter | Insert      | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|-----------------|-----------|---------------------------|---------------|-------------|-------|-----------------|----------------|
| 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           |

| Type<br>Cat. No. | 1205 | 1030 | 4042 | 530 | Shape<br>Insert shape | Size (mm) |     |      |     | Order Number |
|------------------|------|------|------|-----|-----------------------|-----------|-----|------|-----|--------------|
|                  |      |      |      |     |                       | L1        | L2  | S1   | Re  |              |
| R390-11T308M-PM  | ●    | ●    | ●    | ●   |                       | 11        | 6.8 | 3.5  | 0.8 | 324800       |
| R390-11T308M-KM  | ●    | ●    | ●    | ●   |                       |           |     |      |     | 324802       |
| R390-170408M-PM  | ●    | ●    | ●    | ●   |                       | 17        | 9.6 | 4.76 | 0.8 | 324804       |
| R390-170408M-KM  | ●    | ●    | ●    | ●   |                       |           |     |      |     | 324806       |



### ■ RT Right-angle Shoulder Precise End Mill



✎ Cutting Parameters : R17-R18  
Accessory : P01

- ★ Adapter grinding blade SAFETY
- ★ High precision, suitable for finishing

| Order Number | Type Cat. No      | Dimension Size |    |     |    |       | Insert      | Screw  | Wrench | Stock | Price (RMB) |
|--------------|-------------------|----------------|----|-----|----|-------|-------------|--------|--------|-------|-------------|
|              |                   | D              | d  | L   | L1 | Teeth |             |        |        |       |             |
| 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     | RT1003      | M2.5×6 | T8     | ●     | 324920      |
| 324922       | RT07R20-20-200-4T | 20             | 20 | 200 | 30 | 4     |             |        |        | ●     | 324922      |
| 324924       | RT10R16-16-150-2T | 16             | 16 | 150 | 30 | 2     |             |        |        | ●     | 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      |

### Used Insert

| Type Cat. No. | D | S | Shape Insert shape | Size (mm) |      |      |     |     |     | Order Number |
|---------------|---|---|--------------------|-----------|------|------|-----|-----|-----|--------------|
|               |   |   |                    | L1        | L2   | S1   | Re  | W   | F1  |              |
| RT070204R-81  | ● | ● |                    |           | 4.3  | 2.38 | 0.4 | 1.3 | 1.5 | 325100       |
| RT100304R-81  | ● | ● |                    |           | 6.35 | 3.4  | 0.4 | 1.8 | 2.1 | 325102       |
| RT100304R-31  |   |   |                    |           | 6.35 | 3.4  | 0.4 | 1.8 | 2.1 | 325104       |
| RT100308R-81  |   | ● |                    |           | 6.35 | 3.4  | 0.4 | 1.8 | 2.1 | 325106       |

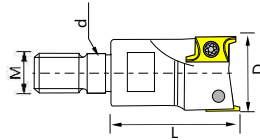


# Milling Arbor And Face Milling Cuttre

## ■ RT

Shoulder/Cutting End Mills(RT)

✎ Cutting Parameters : R17-R18  
Accessory : P01



| Type<br>Cat. No | Size |    |      |     | Teeth | Insert      | Clamp | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|------|-----|-------|-------------|-------|--------|--------|-------|-----------------|----------------|
|                 | D    | L  | d    | M   |       |             |       |        |        |       |                 |                |
| RT07R102M05     | 10   | 18 | 5.5  | M5  | 2     | RT070204R81 | --    | M2.0×4 | T6     | ●     | 325200          | 150            |
| RT07R112M05     | 11   | 18 | 5.5  | M5  | 2     |             |       |        |        | ●     | 325202          | 150            |
| RT07R122M06     | 12   | 20 | 6.5  | M6  | 2     |             |       |        |        | ●     | 325204          | 160            |
| RT07R132M06     | 13   | 20 | 6.5  | M6  | 2     |             |       |        |        | ●     | 325206          | 160            |
| RT10R162M08     | 16   | 30 | 8.5  | M8  | 2     | RT1003      | --    | M2.5×6 | T8     | ●     | 325208          | 160            |
| RT10R172M08     | 17   | 30 | 8.5  | M8  | 2     |             |       |        |        | ●     | 325210          | 200            |
| RT10R203M10     | 20   | 30 | 10.5 | M10 | 3     |             |       |        |        |       | 325212          |                |
| RT10R212M10     | 21   | 30 | 10.5 | M10 | 2     |             |       |        |        |       | 325214          |                |
| RT10R213M10     | 21   | 30 | 10.5 | M10 | 3     |             |       |        |        |       | 325216          |                |
| RT10R253M12     | 25   | 35 | 12.5 | M12 | 3     |             |       |        |        |       | 325218          |                |
| RT10R263M12     | 26   | 35 | 12.5 | M12 | 3     |             |       |        |        |       | 325220          |                |
| RT10R324M16     | 32   | 43 | 17   | M16 | 4     |             |       |        |        |       | 325222          |                |
| RT10R325M16     | 32   | 43 | 17   | M16 | 5     |             |       |        |        |       | 325224          |                |
| RT10R334M16     | 33   | 43 | 17   | M16 | 4     |             |       |        |        |       | 325226          |                |
| RT10R354M16     | 35   | 43 | 17   | M16 | 4     |             |       |        |        |       | 325228          |                |
| RT10R355M16     | 35   | 43 | 17   | M16 | 5     |             |       |        |        |       | 325230          |                |

## ■ T217.69

Right-angle Shoulder Precise End Mill

**SECO**

✎ Cutting Parameters :  
R17-R18  
Accessory : P01



| Type<br>Cat. No      | Dimension Size |    |     |    | Insert     | Screw    | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|----------------------|----------------|----|-----|----|------------|----------|--------|-------|-----------------|----------------|
|                      | D              | d  | L   | L1 |            |          |        |       |                 |                |
| 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 | -  | XOMX090308 | M2.5×5.5 | T8     | ●     | 325312          | 175            |
| T217.69R20-20-160-2T | 20             | 20 | 160 | 40 |            |          |        | ●     | 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            |

## Used Insert

| Type<br>Cat. No. | H15 | F40M | F30M | MK1500 | MP2500 | T350M | T200M | Shape<br>Insert shape | Size (mm) |      |      |   | Order Number |
|------------------|-----|------|------|--------|--------|-------|-------|-----------------------|-----------|------|------|---|--------------|
|                  |     |      |      |        |        |       |       |                       | A         | B    | T    | R |              |
| XOMX060208FR-E03 | ●   | ●    | ●    |        |        |       |       |                       | 6.94      | 4.09 | 2.45 |   | 325400       |
| XOMX060208R-M05  | ●   | ●    |      |        |        |       |       |                       | 6.94      | 4.09 | 2.45 |   | 325402       |
| XOMX090308FR-E05 |     |      |      | ●      | ●      | ●     | ●     |                       | 10.8      | 6.35 | 3.65 |   | 325404       |
| XOMX120408TR-M06 | ●   |      |      |        | ●      | ●     | ●     |                       | 11.41     | 8.18 | 4.15 |   | 325406       |

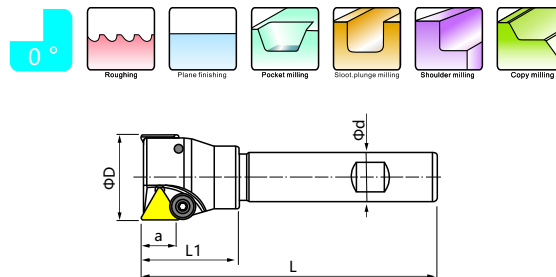


WEB:<http://www.mzg.tw>

D10

### ■ TP Right-angle Shoulder End Milling

✎ Cutting Parameters :  
R17-R18  
Accessory : P01

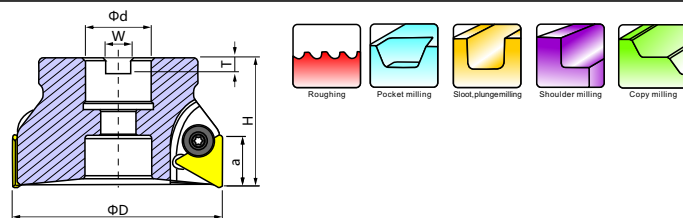


★ Equipped with a traditional blade, cutting low-cost

| Type<br>Cat. No | Dimension Size |    |     |    |    | Insert   | Clamp | Screw         | Wrench | Stock | Order Number | Price (RMB) |
|-----------------|----------------|----|-----|----|----|----------|-------|---------------|--------|-------|--------------|-------------|
|                 | D              | d  | L   | L1 | a  |          |       |               |        |       |              |             |
| TP11R16-16-100  | 16             | 16 | 100 | 45 | 10 | TP□N1103 | TP-11 | 3/16 Umbrella | 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 |          |       |               |        | ●     | 325506       | 150         |
| TP16R20-35-100  | 35             | 20 | 100 | 45 | 14 | TP□N1603 | TP-16 | 1/4 Umbrella  | L4     | ●     | 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 | TP□N2204 | TP-22 | 5-16 Umbrella | L5     | ●     | 325516       | 150         |
| TP16R20-50-110  | 50             | 20 | 110 | 45 | 14 |          |       |               |        | ●     | 325518       | 200         |
| TP22R20-50-110  | 50             | 20 | 110 | 42 | 20 |          |       |               |        | ●     | 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 Right-angle Shoulder Face Milling

✎ Cutting Parameters : R17-R18  
Accessory : P01



★ Equipped with a traditional blade, cutting low-cost

| Type<br>Cat. No    | Dimension Size |        |    |      |      |    | Insert   | Clamp | Screw         | Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|--------------------|----------------|--------|----|------|------|----|----------|-------|---------------|--------|-------|--------------|-------------|-------------|
|                    | D              | d      | H  | W    | T    | a  |          |       |               |        |       |              |             |             |
| TP11R40-16-4T      | 40             | 16     | 45 | 8.4  | 5.6  | 9  | TP□N1103 | TP-11 | 3/16 Umbrella | 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 Umbrella  | L4     | ●     | 325604       | -           | 160         |
| TP22R50-22-3T      | 50             | 22     | 50 | 10.4 | 6.3  | 18 |          |       |               |        | ●     | 325606       | 250         | -           |
| TP22R63-22-3T      | 63             | 22     | 50 | 10.4 | 6.3  | 18 | TP□N2204 | TP-22 | 5/16 Umbrella | L5     | ●     | 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        |

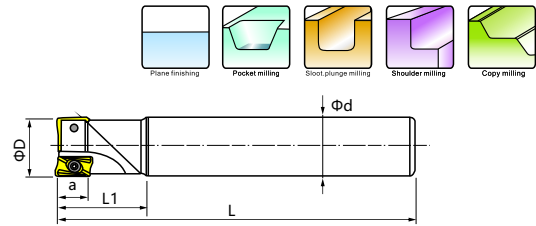
### Used Insert

| Type<br>Cat. No. | UT120 | NX2525 | JC5015 | ZP1521 | Shape<br>Insert shape | Size (mm) |      |              | Order Number |
|------------------|-------|--------|--------|--------|-----------------------|-----------|------|--------------|--------------|
|                  |       |        |        |        |                       | d         | S1   | Chip breaker |              |
| TPKN1603PDR      | ●     | ●      | ●      |        |                       | 9.525     | 3.18 | (without)    | 325700       |
| TPMN1603PDR      | ●     | ●      | ●      |        |                       | 9.525     | 3.18 | (without)    | 325702       |
| TPKN2204PDR      | ●     | ●      | ●      |        |                       | 12.7      | 4.76 | (without)    | 325704       |
| TPMN220408       |       |        |        | ●      |                       | 12.7      | 4.76 | (without)    | 325706       |
| TPUN110308       | ●     |        |        | ●      |                       | 6.35      | 3.18 | (without)    | 325708       |
| TPMN110308       |       | ●      |        | ●      |                       | 6.35      | 3.18 | (without)    | 325710       |

# Milling Arbor And Face Milling Cuttre

## TE90 Right-angle Shoulder Precise End Mill

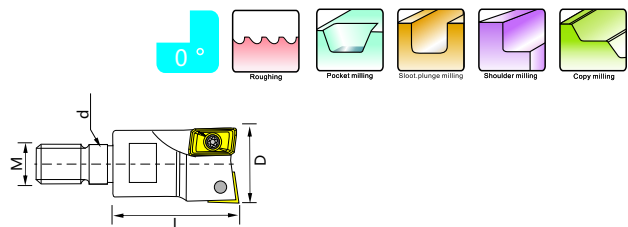
Cutting Parameters :  
R17-R18  
Accessory :  
P01



| Type<br>Cat. No       | Dimension Size |    |     |    | Insert     | Screw  | Wrench | Stock | Order Number | Price (RMB) |
|-----------------------|----------------|----|-----|----|------------|--------|--------|-------|--------------|-------------|
|                       | D              | d  | L   | L1 |            |        |        |       |              |             |
| 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         |

## TE90 Shoulder/Cutting End Mills

Cutting Parameters : R17-R18  
Accessory : P01



| Type<br>Cat. No | 尺寸 Size |    |      |     | Teeth | 刀片 Insert  | 压板 Clamp | Screw  | Wrench | Stock | Order Number | Price (RMB) |
|-----------------|---------|----|------|-----|-------|------------|----------|--------|--------|-------|--------------|-------------|
|                 | D       | L  | d    | M   |       |            |          |        |        |       |              |             |
| 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         |

## Used Insert

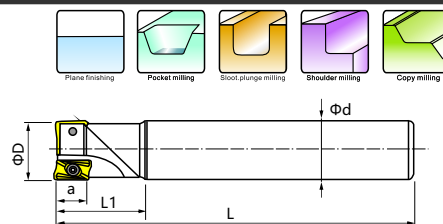
| Type<br>Cat. No. |  |  |  |  |  |  |  |  | Shape<br>Insert shape | Size (mm) |   |   |   | Order Number |
|------------------|--|--|--|--|--|--|--|--|-----------------------|-----------|---|---|---|--------------|
|                  |  |  |  |  |  |  |  |  |                       | A         | B | T | R |              |
| AXMT0602..       |  |  |  |  |  |  |  |  |                       |           |   |   |   | 326100       |
| AXMT0903..       |  |  |  |  |  |  |  |  |                       |           |   |   |   | 326102       |
|                  |  |  |  |  |  |  |  |  |                       |           |   |   |   |              |



WEB:<http://www.mzg.tw>

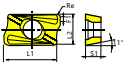
### ■ EPX3000 Right-angle Shoulder Precise End Mill

✎ Cutting Parameters : R17-R18  
Accessory : P01



| Type<br>Cat. No      | Dimension Size |    |     |    | Insert    | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|----------------------|----------------|----|-----|----|-----------|--------|--------|-------|-----------------|----------------|
|                      | D              | d  | L   | L1 |           |        |        |       |                 |                |
| 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            |

### Used Insert

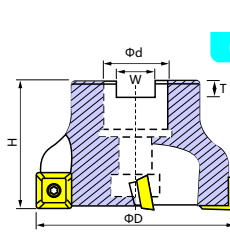
| Workpiece Material | P    | Steel                    | ●      | ●      | ●      | ● | Cutting Shape ( Standard ) : |                   |                                                                                     |             |     | ✳ :Unstable cutting |     |        |              |
|--------------------|------|--------------------------|--------|--------|--------|---|------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------|-----|---------------------|-----|--------|--------------|
|                    | M    | Stainless Steel          |        | ●      | ●      |   | ●                            | ● :Stable Cutting | ● :General Cutting                                                                  |             |     |                     |     |        |              |
|                    | K    | cast iron                | ●      | ●      | ●      |   |                              |                   |                                                                                     |             |     |                     |     |        |              |
|                    | N    | Nonferrous metal         | ●      | ●      | ●      |   |                              |                   |                                                                                     |             |     |                     |     |        |              |
|                    | S    | Titanium alloy           | ●      | ●      | ●      |   |                              |                   |                                                                                     |             |     |                     |     |        |              |
|                    | H    | High hardness Steel      | ●      | ●      | ●      |   |                              |                   |                                                                                     |             |     |                     |     |        |              |
| Type Cat. No.      | Used | Cemented carbide coating |        |        | Cermet |   | Cemented carbide             |                   | Shape Insert shape                                                                  | Size ( mm ) |     |                     |     |        | Order Number |
|                    |      | GD3656                   | ZK730Q | ZK56MO |        |   | 3-00                         |                   |                                                                                     | L1          | L2  | S1                  | F1  | Re     |              |
| AOGT123602PEFR-GM  |      |                          |        |        |        |   |                              | ●                 |                                                                                     | 12          | 6.6 | 3.6                 | 1.8 | 0.2    | 326300       |
| AOGT123604PEFR-GM  |      |                          |        |        |        |   |                              | ●                 |                                                                                     | 12          | 6.6 | 3.6                 | 1.6 | 0.4    | 326302       |
| AOGT123608PEFR-GM  |      |                          |        |        |        |   |                              | ●                 |                                                                                     | 12          | 6.6 | 3.6                 | 1.2 | 0.8    | 326304       |
| AOMT123604PEER-H   |      | ●                        | ●      | ●      |        |   |                              |                   |  | 12          | 6.6 | 3.6                 | 1.6 | 0.4    | 326306       |
| AOMT123608PEER-H   |      | ●                        | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 1.2                 | 0.8 | 326308 |              |
| AOMT123616PEER-H   |      | ●                        | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 1.2                 | 1.6 | 326310 |              |
| AOMT123602PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 1.8                 | 0.2 | 326312 |              |
| AOMT123604PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 1.6                 | 0.4 | 326314 |              |
| AOMT123608PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 1.2                 | 0.8 | 326316 |              |
| AOMT123610PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 1.0                 | 1.0 | 326318 |              |
| AOMT123612PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 0.8                 | 1.2 | 326320 |              |
| AOMT123616PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 0.4                 | 1.6 | 326322 |              |
| AOMT123620PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 0.4                 | 2.0 | 326324 |              |
| AOMT123624PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 0.4                 | 2.4 | 326326 |              |
| AOMT123630PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 0.4                 | 3.0 | 326328 |              |
| AOMT123632PEER-M   |      |                          | ●      | ●      |        |   |                              | 12                |                                                                                     | 6.6         | 3.6 | 0.4                 | 3.2 | 326330 |              |

# Milling Arbor And Face Milling Cuttre

## FM90° Face Milling



Cutting Parameters :  
R17-R18  
Accessory : P01



0°



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

| Type<br>Cat. No | Dimension Size |    |    |      |     | Insert     | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|----------------|----|----|------|-----|------------|-------|--------|-------|-----------------|----------------|
|                 | D              | d  | H  | W    | T   |            |       |        |       |                 |                |
| FM09R50-22-4T   | 50             | 22 | 50 | 10.4 | 6.3 | SE□T090308 | M3×7  | T8     | ●     | 326400          | 300            |
| FM09R63-22-5T   | 63             | 22 | 50 | 10.4 | 6.3 |            |       |        | ●     | 326402          | 350            |
| FM09R80-27-6T   | 80             | 27 | 50 | 12.4 | 6.3 |            |       |        | ●     | 326404          | 450            |
| FM09R100-32-8T  | 100            | 32 | 50 | 14.4 | 6.3 |            |       |        | ●     | 326406          | 750            |

## Used Insert

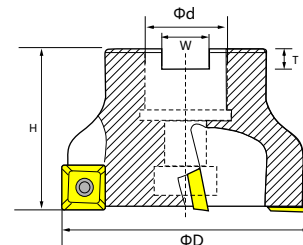
| Type<br>Cat. No. | WAP 25 | WAP 35 | WTP 35 | WXP 45 | WPM | WXM 35 | WAK 15 | WAK 25 | WKM | WK 10 | P201 | Shape<br>Insert shape | Size (mm) |      |                | Order Number |
|------------------|--------|--------|--------|--------|-----|--------|--------|--------|-----|-------|------|-----------------------|-----------|------|----------------|--------------|
|                  |        |        |        |        |     |        |        |        |     |       |      |                       | D1        | S1   | Chip<br>Groove |              |
| SEET09T308PDER   |        | ●      | ●      | ●      |     | ●      |        |        |     | ●     |      |                       | 9.52      | 4.01 | Y              | 326500       |
| SEHT09T308PDER   | ●      | ●      | ●      |        | ●   | ●      | ●      | ●      |     |       |      |                       | 9.52      | 4.01 | Y              | 326502       |
| SEMT09T308PDER   |        |        |        |        |     |        |        |        |     |       | ●    |                       | 9.52      | 4.01 | Y              | 326504       |

## RS90 RS90 Right angle shoulder face mill



Cutting Parameters : R17-R18  
Accessory : P01

0°



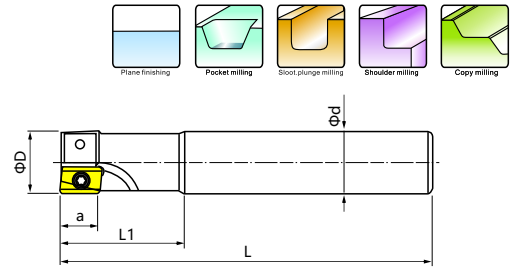
| Type<br>Cat. No  | Size |     |    |    |    | Insert                                                    | Clamp screw | wrench | Stock | Order<br>Number | Price<br>(RMB) |
|------------------|------|-----|----|----|----|-----------------------------------------------------------|-------------|--------|-------|-----------------|----------------|
|                  | D    | d   | H  | W  | T  |                                                           |             |        |       |                 |                |
| 50A05RS90SP10DG  | 50   | 47  | 40 | 22 | 5  | SPET10T304PPERLD2<br>/SPET10T3PPERGB2<br>/SPET10T3PPSRGB2 | M2.5X6      | T8     | ●     | 375             | 326600         |
| 63A06RS90SP10DG  | 63   | 50  | 40 | 22 | 6  |                                                           |             |        | ●     | 460             | 326602         |
| 80A08RS90SP10DG  | 80   | 60  | 50 | 27 | 8  |                                                           |             |        | ●     | 640             | 326604         |
| 100B10RS90SP10DG | 100  | 80  | 50 | 32 | 10 |                                                           |             |        | ●     | 1010            | 326606         |
| 50A03RS90SD12DG  | 50   | 45  | 40 | 22 | 3  | SDPT1204PESR                                              | M3.5X10     | T15    | ●     | 500             | 326608         |
| 50A04RS90SD12DG  | 50   | 46  | 40 | 22 | 4  |                                                           |             |        | ●     | 515             | 326610         |
| 63A04RS90SD12DG  | 63   | 50  | 40 | 22 | 4  |                                                           |             |        | ●     | 500             | 326612         |
| 63A05RS90SD12DG  | 63   | 50  | 40 | 22 | 5  |                                                           |             |        | ●     | 550             | 326614         |
| 80A05RS90SD12DG  | 80   | 60  | 50 | 27 | 5  |                                                           |             |        | ●     | 660             | 326616         |
| 80A06RS90SD12DG  | 80   | 60  | 50 | 27 | 6  |                                                           |             |        | ●     | 715             | 326618         |
| 100B06RS90SD12DG | 100  | 80  | 50 | 32 | 6  |                                                           |             |        | ●     | 1000            | 326620         |
| 100B08RS90SD12DG | 100  | 80  | 50 | 32 | 8  |                                                           |             |        | ●     | 1150            | 326622         |
| 125B07RS90SD12DG | 125  | 90  | 63 | 40 | 7  |                                                           |             |        | ●     | 1200            | 326624         |
| 125B10RS90SD12DG | 125  | 90  | 63 | 40 | 10 |                                                           |             |        | ●     | 1350            | 326626         |
| 160C08RS90SD12DG | 160  | 100 | 63 | 40 | 8  |                                                           |             |        | ●     | 1400            | 326628         |
| 160C12RS90SD12DG | 160  | 100 | 63 | 40 | 12 |                                                           |             |        | ●     | 1800            | 326630         |
| 200C11RS90SD12DG | 200  | 130 | 63 | 60 | 11 |                                                           |             |        | ●     | 2200            | 326632         |
| 200C14RS90SD12DG | 200  | 130 | 63 | 60 | 14 |                                                           |             |        | ●     | 2600            | 326634         |



### ■ UEX Right-angle Shoulder Precise End Mill

✍ Cutting Parameters : R16  
Accessory : P01

**HITACHI**



| Type<br>Cat. No    | Dimension Size |    |     |    |     |    | Insert   | Screw  | Wrench | Stock | Order Number | Price (RMB) |
|--------------------|----------------|----|-----|----|-----|----|----------|--------|--------|-------|--------------|-------------|
|                    | D              | d  | L   | L1 | L2  | a  |          |        |        |       |              |             |
| 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 | AD□T1603 | M4×7.5 | T15    | ●     | 326712       | 120         |
| UEX16R20-25-130-2T | 25             | 20 | 130 | 40 | -   | 15 |          |        |        | ●     | 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         |

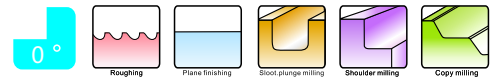
### Used Insert

| Type<br>Cat. No. | HC844 | CH550 | EX35 | Shape<br>Insert shape | Size (mm) |       |      |    |     | Order Number |
|------------------|-------|-------|------|-----------------------|-----------|-------|------|----|-----|--------------|
|                  |       |       |      |                       | L1        | L2    | S1   | θ  | R   |              |
| APET120202SR     | ●     |       | ●    |                       | 12.7      | 7.938 | 2.5  | 11 | 0.2 | 326800       |
| APET120204SR     | ●     | ●     | ●    |                       | 12.7      | 7.938 | 2.5  | 11 | 0.4 | 326802       |
| APET120208SR     | ●     | ●     | ●    |                       | 12.7      | 7.938 | 2.5  | 11 | 0.8 | 326804       |
| APNT120208SR     | ●     |       | ●    |                       | 12.7      | 7.938 | 2.5  | 11 | 0.8 | 326806       |
| ADET160302SR     |       | ●     | ●    |                       | 15.875    | 9.525 | 3.18 | 15 | 0.2 | 326808       |
| ADET160304SR     |       | ●     | ●    |                       | 15.875    | 9.525 | 3.18 | 15 | 0.4 | 326810       |
| ADET160308SR     |       |       | ●    |                       | 15.875    | 9.525 | 3.18 | 15 | 0.8 | 326812       |
| ADNT160308SR     | ●     |       | ●    |                       | 15.875    | 9.525 | 3.18 | 15 | 0.8 | 326814       |

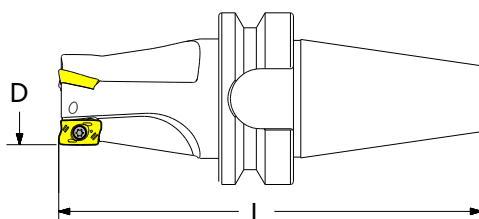
### ■ EDC10

EDC10 integrated high strength square shoulder milling cutter

✍ Cutting Parameters : R17-R18  
Accessory : P01



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



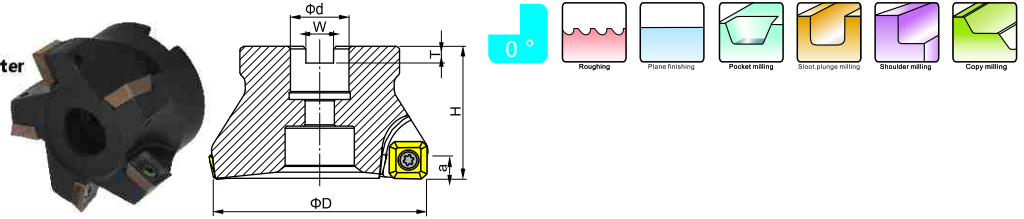
| Type<br>Cat. No  | Blade<br>number | L<br>Long | D<br>Diameter | Insert     | Stock | Order<br>Number | Price<br>(RMB) |
|------------------|-----------------|-----------|---------------|------------|-------|-----------------|----------------|
| BT30-EDC10-16-2T | 2               | 60        | 16            | 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           |

# Milling Arbor And Face Milling Cuttre

## SSD90

SSD90 right angle step face milling cutter

✎ Cutting Parameters :  
R17-R18  
Accessory : P01



| Type<br>Cat. No  | Blade<br>number | D<br>Diameter | d<br>Inside<br>diameter | End face<br>diameter | H<br>Long | Countersunk<br>head diameter | Insert                       | Stock | Order<br>Number | Price<br>(RMB) |
|------------------|-----------------|---------------|-------------------------|----------------------|-----------|------------------------------|------------------------------|-------|-----------------|----------------|
| SSD90R50-22-4T   | 4               | 50            | 22                      | 41                   | 40        | 17                           | SDMT1204PDER<br>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

ASX400right angle step face milling cutter

✎ Cutting Parameters : R17-R18  
Accessory : P01

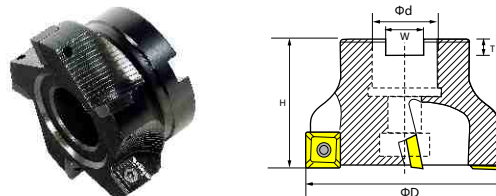


| Type<br>Cat. No   | Blade<br>number | D<br>Diameter | L<br>Long | D2<br>Inside<br>diameter | End face<br>diameter | Insert     | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|-----------------|---------------|-----------|--------------------------|----------------------|------------|-------|-----------------|----------------|
| 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

WFX12 Right angle shoulder face mill

✎ Cutting Parameters : R17-R18  
Accessory : P01



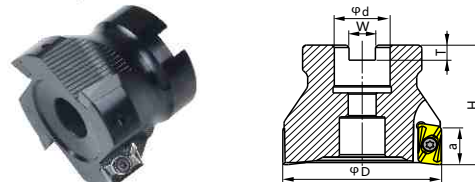
- ★ Can be used to insert milling, flat, level surface, groove
- ★ Low cutting force, large rake angle, cutting light
- ★ High productivity, high-precision

| Type<br>Cat. No | No.of<br>flutes | Size |    |    |      |     | Insert         | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|-----------------|------|----|----|------|-----|----------------|-------|-----------------|----------------|
|                 |                 | D    | d  | H  | W    | T   |                |       |                 |                |
| 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

WFX17 Right angle shoulder face mill

✎ Cutting Parameters : R17-R18  
Accessory : P01



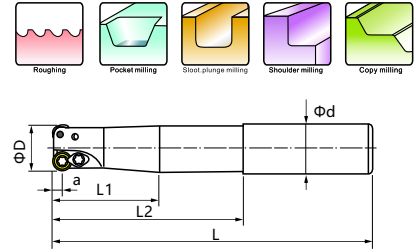
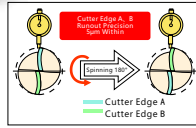
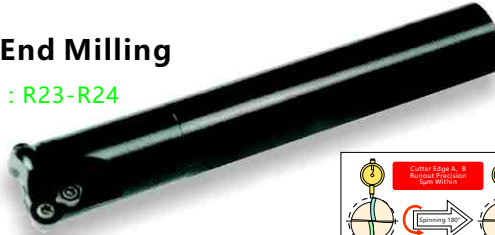
- ★ Can be used to insert milling, flat, level surface, groove
- ★ Low cutting force, large rake angle, cutting light
- ★ High productivity, high-precision

| Type<br>Cat. No  | No.of<br>flutes | Size |    |    |      |     | Insert           | Clamp<br>screw | wrench | Stock | Order<br>Number | Price<br>(RMB) |
|------------------|-----------------|------|----|----|------|-----|------------------|----------------|--------|-------|-----------------|----------------|
|                  |                 | D    | d  | H  | W    | T   |                  |                |        |       |                 |                |
| 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           |



### ■ EMR Rounded Corner End Milling

✎ Cutting Parameters : R23-R24  
Accessory : P01

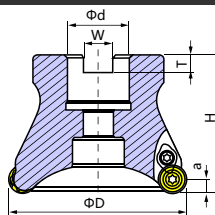


★ Fit a variety of economic-type blade, cost-effective

| Type<br>Cat. No    | Dimension Size |     |     |    |     |   | No. of<br>flutes | Insert     | Screw   | Clamp | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|--------------------|----------------|-----|-----|----|-----|---|------------------|------------|---------|-------|--------|-------|-----------------|----------------|----------------|
|                    | D              | d   | L   | L1 | L2  | a |                  |            |         |       |        |       |                 |                |                |
| 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                |            |         |       |        | ●     | 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                | RPMW1003.. | M3.5×10 | Y-5R  | T15    | ●     | 327530          | 100            | -              |
| EMR4R20-21-200-2T  | 21             | 20  | 200 | 60 | -   | 4 | 2                |            |         |       |        | ●     | 327532          | 117            | -              |
| EMR5R19-20-150-2T  | 20             | 20  | 150 | 50 | -   | 5 | 2                |            |         |       |        | ●     | 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             |

## ■ EMR型 Rounded Corner Face Milling

✎ Cutting Parameters :  
R23-R24  
Accessory : P01

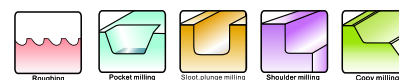
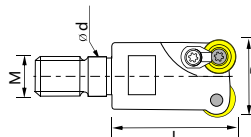


- ★ Using the 11° positive angle blade
- ★ Blade economy, the applicability of high
- ★ Capacity chip a large space, good chip disposal
- ★ Cone design, steel high

| Type<br>Cat. No   | Dimension Size |       |    |      |     |   | Insert                        | Clamp | Screw            | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-------------------|----------------|-------|----|------|-----|---|-------------------------------|-------|------------------|--------|-------|-----------------|----------------|----------------|
|                   | D              | d     | H  | W    | T   | a |                               |       |                  |        |       |                 |                |                |
| 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            |

## ■ EMRM Corner Rounding End Mills(EMRM)

✎ Cutting Parameters : R23-R24  
Accessory : P01



| Type<br>Cat. No | 尺寸 Size |    |      |     | Teeth | 刀片<br>Insert | 压板<br>Clamp | Screw            | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|---------|----|------|-----|-------|--------------|-------------|------------------|--------|-------|-----------------|----------------|
|                 | D       | L  | d    | M   |       |              |             |                  |        |       |                 |                |
| EMRM4R162M8     | 16      | 35 | 8.5  | M8  | 2     | RPMW0802MO   | Y-4R        | M3X7             | T8     | ●     | 327700          | 150            |
| EMRM4R202M10    | 20      | 35 | 10.5 | M10 | 2     |              |             |                  |        | ●     | 327702          | 150            |
| EMRM5R252M12    | 25      | 40 | 12.5 | M12 | 2     | RPMW1003MO   | Y-5R        | M4X10<br>M3.5X10 | T15    | ●     | 327704          | 160            |
| EMRM5R302M16    | 30      | 40 | 17   | M16 | 2     |              |             |                  |        | ●     | 327706          | 160            |
| EMRM5R352M16    | 35      | 40 | 17   | M16 | 2     |              |             |                  |        | ●     | 327708          | 200            |
| EMRM6R302M16    | 30      | 40 | 17   | M16 | 2     | RPMT1204MO   | Y-6R        | M4X10            | T15    | ●     | 327710          | 160            |
| EMRM6R353M16    | 35      | 40 | 17   | M16 | 3     |              |             |                  |        | ●     | 327712          | 200            |

Applicable for: MITSUBISHI, DIJET

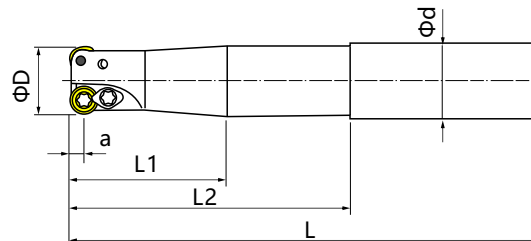
## Used Insert

| Type<br>Cat. No. | UP20M | NX2525 | UT120T | F7030 | VP15TF | SH8250 | JC3535 | NIT | NAT | UMS | DX25 | P201 | Shape<br>Insert shape | Size (mm) |      |                | Order Number |
|------------------|-------|--------|--------|-------|--------|--------|--------|-----|-----|-----|------|------|-----------------------|-----------|------|----------------|--------------|
|                  |       |        |        |       |        |        |        |     |     |     |      |      |                       | L1        | L2   | Chip<br>Groove |              |
| RPMT08T2MO       | ●     | ●      | ●      |       | ●      |        |        |     |     |     |      |      |                       | 8         | 2.78 | N              | 327800       |
| RPMW1003MO       | ●     | ●      | ●      |       |        |        |        |     |     |     |      |      |                       | 10        | 3.18 | N              | 327802       |
| RPMT10T3MOE      |       |        |        | ●     | ●      |        |        |     |     |     |      |      |                       | 10        | 3.97 | Y              | 327804       |
| RPMW1003MO       |       |        |        |       |        | ●      |        |     |     |     |      |      |                       | 10        | 3.18 | N              | 327806       |
| RPMW0802MO       |       |        |        |       |        |        | ●      | ●   | ●   | ●   | ●    | ●    |                       | 8         | 2.38 | N              | 327808       |
| RPMW1003MO       |       |        |        |       |        |        | ●      | ●   | ●   | ●   | ●    | ●    |                       | 10        | 3.18 | N              | 327810       |

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

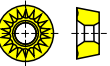
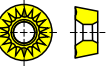
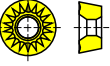
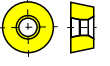


### ■ EMRW Rounded Corner End Milling



✎ Cutting Parameters : R23-R24  
Accessory : P01

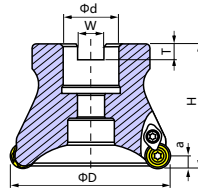
- ★ Blade economy, the high applicability.
- ★ Capacity chip a large space, good chip removal.

| Type<br>Cat. No    | Dimension Size |    |     |    |    |   | No. of<br>flutes | Insert                                                                                              |  |  |  | Stock                                                                                               | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |        |        |     |
|--------------------|----------------|----|-----|----|----|---|------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------|----------------|----------------|--------|--------|-----|
|                    | D              | d  | L   | L1 | L2 | a |                  |                                                                                                     |                                                                                   |                                                                                     |                                                                                     |                                                                                                     |                 |                |                |        |        |     |
| EMRW4R12-12-130-1T | 12             | 12 | 130 | 40 | -  | 4 | 1                | <br>RPMT 08T2MOE  | Without                                                                           | 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                |                                                                                                     |                                                                                   |                                                                                     |                                                                                     | Y-4R                                                                                                | M3×7            | T10            | ●              | 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                | <br>RPMT 10T3MOE | 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                |                                                                                                     | Y-5R                                                                              | M4×9                                                                                | T15                                                                                 | ●                                                                                                   | 327944          | 283            | -              |        |        |     |
| EMRW5R32-35-300-3T | 35             | 32 | 300 | 60 | -  | 5 | 3                |                                                                                                     |                                                                                   |                                                                                     |                                                                                     | ●                                                                                                   | 327946          | 333            | -              |        |        |     |
| EMRW6R25-32-150-2T | 32             | 25 | 150 | 50 | -  | 6 | 2                | <br>RPMW 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                |                                                                                                     |                                                                                   |                                                                                     |                                                                                     | <br>RPMT 1204 MO | Y-6R            | M4×10          | T15            | ●      | 327974 | 333 |
| EMRW6R32-35-300-3T | 35             | 32 | 300 | 60 | -  | 6 | 3                | ●                                                                                                   | 327976                                                                            | -                                                                                   | 260                                                                                 |                                                                                                     |                 |                |                |        |        |     |
| EMRW6R32-35-350-3T | 35             | 32 | 350 | 60 | -  | 6 | 3                |                                                                                                     | Y-6R                                                                              | M4×10                                                                               | T15                                                                                 | ●                                                                                                   | 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            |        |        |     |

## EMRW Rounded Corner Face Milling



✎ Cutting Parameters :  
R23-R24  
Accessory : P01



- ★ Using the 11° positive angle blade
- ★ Blade economy, the applicability of high
- ★ Capacity chip a large space, good chip disposal
- ★ Cone design, steel high

| Type<br>Cat. No    | Dimension Size |       |    |      |     |   | Insert                                                                                           |  |  |  | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|--------------------|----------------|-------|----|------|-----|---|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-----------------|----------------|----------------|
|                    | D              | d     | H  | W    | T   | a |                                                                                                  |                                                                                   |                                                                                     |                                                                                     |       |                 |                |                |
| EMRW6R50-22-4T     | 50             | 22    | 50 | 10.4 | 6.3 | 6 | <br>RPMT1204 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 | <br>RPMW1204 MO |                                                                                   |                                                                                     |                                                                                     | ●     | 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            |

## Used Insert

| Type<br>Cat. No. | F7030 | F620 | VP15TF | NX4545 | UT120T | TN100M | PR510 | PR660 | PR730 | KW10 | P201 | Shape<br>Insert shape | Size(mm) |      |                | Order Number |
|------------------|-------|------|--------|--------|--------|--------|-------|-------|-------|------|------|-----------------------|----------|------|----------------|--------------|
|                  |       |      |        |        |        |        |       |       |       |      |      |                       | L1       | L2   | Chip<br>Groove |              |
| RPMT1204MOE-JS   | ●     | ●    | ●      |        |        |        |       |       |       |      |      | <br>D1 S1 11°         | 12       | 4.76 | Y              | 328200       |
| RPMT1204MO       |       |      |        |        |        |        | ●     | ●     | ●     | ●    |      |                       | 12       | 4.76 | Y              | 328202       |
| RPMT1204MO       |       |      |        |        |        |        |       |       |       |      | ●    |                       | 12       | 4.76 | Y              | 328204       |
| RPMT1204MOE      | ●     | ●    | ●      | ●      | ●      |        |       |       |       |      |      | <br>D1 S1 11°         | 12       | 4.76 | N              | 328206       |
| 1204MOT          |       |      | ●      |        |        |        |       |       |       |      |      |                       | 12       | 4.76 | N              | 328208       |

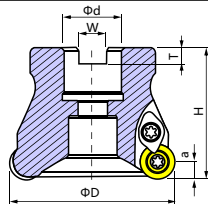




## ■ TRS Rounded Corner Face Milling



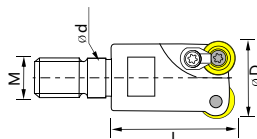
Cutting Parameters :  
R23-R24  
Accessory : P01



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

| Type<br>Cat. No | Dimension Size |      |    |      |     |   | Insert       | Clamp | Screw           | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|------|----|------|-----|---|--------------|-------|-----------------|--------|-------|-----------------|----------------|----------------|
|                 | D              | d    | H  | W    | T   | a |              |       |                 |        |       |                 |                |                |
| TRS5R50-22-4T   | 50             | 22   | 50 | 10.4 | 6.3 | 5 | RD□T 10T3 MO | Y-5R  | M4×9<br>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 | RD□T 1204 MO | Y-6R  | M4×10           | T15    | ●     | 328510          | 200            | -              |
| TRS6R50-22-4T   | 50             | 22   | 50 | 10.4 | 6.3 | 6 |              |       |                 |        | ●     | 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 | RD□T 1606 MO | Y-8R  | M5×11.5         | T20    | ●     | 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 |              |       |                 |        | ●     | 328528          | 233            | 250            |
| TRS8R80-27-5T   | 80             | 27   | 50 | 12.4 | 7   | 8 | RD□T 1606 MO | Y-8R  | M5×11.5         | T20    | ●     | 328530          | 333            | 400            |
| TRS8R100-32-6T  | 100            | 22   | 50 | 14.4 | 8   | 8 |              |       |                 |        | ●     | 328532          | 500            | 600            |

## ■ TRSM Corner Rounding End Mills(TRSM)



| Type<br>Cat. No | Size |    |      |     | Teeth | Insert        | Clamp |  |  | Stock | Order<br>Number | Price<br>(RMB) |  |
|-----------------|------|----|------|-----|-------|---------------|-------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------|-----------------|----------------|--|
|                 | D    | L  | d    | M   |       |               |       |                                                                                      |                                                                                      |       |                 |                |  |
| 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 | 17   | M16 | 5     |               |       |                                                                                      |                                                                                      | ○     | 328638          | 450            |  |
| RD0702R356M16   | 35   | 43 | 17   | M16 | 6     | RD0802R162M08 | Y-4R  | MS3007                                                                               | T8                                                                                   | ○     | 328640          | 450            |  |
| RD0802R162M08   | 16   | 23 | 8.5  | M8  | 2     |               |       |                                                                                      |                                                                                      | ●     | 328642          | 150            |  |
| RD0802R172M08   | 17   | 23 | 8.5  | M8  | 2     |               |       |                                                                                      |                                                                                      | ○     | 328644          | 300            |  |
| RD0802R202M10   | 20   | 30 | 10.5 | 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 | 12.5 | M12 | 3     |               |       |                                                                                      |                                                                                      | ○     | 328654          | 300            |  |
| RD1003R263M12   | 26   | 35 | 12.5 | M12 | 3     |               |       |                                                                                      |                                                                                      | ○     | 328656          | 300            |  |
| RD1003R353M16   | 35   | 43 | 17   | M16 | 3     |               |       |                                                                                      |                                                                                      | ○     | 328658          | 320            |  |
| RD1003R354M16   | 35   | 43 | 17   | M16 | 4     | RD0802R162M08 | Y-4R  | MS3007                                                                               | T8                                                                                   | ○     | 328660          | 320            |  |
| RD1013R252M12   | 25   | 35 | 12.5 | M12 | 2     |               |       |                                                                                      |                                                                                      | ●     | 328662          | 160            |  |
| RD1013R262M12   | 26   | 35 | 12.5 | M12 | 2     |               |       |                                                                                      |                                                                                      | ○     | 328664          | 300            |  |
| RD1013R302M16   | 30   | 40 | 17   | M16 | 2     |               |       |                                                                                      |                                                                                      | ●     | 328666          | 160            |  |
| RD1013R323M16   | 32   | 43 | 17   | M16 | 3     |               |       |                                                                                      |                                                                                      | ○     | 328668          | 320            |  |
| RD1013R353M16   | 35   | 43 | 17   | M16 | 3     | RD0802R162M08 | Y-5R  | M3.5X10<br>M4X9                                                                      | T15                                                                                  | ●     | 328670          | 200            |  |

Used Insert

| Type<br>Cat. No. | CY100H | CY15 | CY25 | CY150 | CY250 | GF30 | TB6005 | TB6020 | TB6045 | TB6060 | PTH08M | P201 | Shape<br>Insert shape | Size(mm) |      |                | Order Number |
|------------------|--------|------|------|-------|-------|------|--------|--------|--------|--------|--------|------|-----------------------|----------|------|----------------|--------------|
|                  |        |      |      |       |       |      |        |        |        |        |        |      |                       | D1       | S1   | Chip<br>Groove |              |
| RDMW0501MOEN     |        |      |      |       |       |      |        |        |        |        |        |      |                       | 5        | 1.59 | N              | 328700       |
| RDMW0702MOEN     |        |      |      |       |       |      |        |        |        |        |        |      |                       | 7        | 2.38 | N              | 328702       |
| RDHW0802MOTN     |        |      |      |       |       |      |        |        |        |        |        |      |                       | 8        | 2.38 | N              | 328704       |
| 10T3MOTN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 10       | 3.97 | N              | 328706       |
| 1204MOTN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 12       | 4.76 | N              | 328708       |
| 1604MOTN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 16       | 4.76 | N              | 328710       |
| RDMT0802MOTN     |        |      |      |       |       |      |        |        |        |        |        |      |                       | 8        | 2.38 | Y              | 328712       |
| 0802MOEN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 8        | 2.38 | Y              | 328714       |
| 10T3MOTN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 10       | 3.97 | Y              | 328716       |
| 10T3MOEN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 10       | 3.97 | Y              | 328718       |
| 1204MOTN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 12       | 4.76 | Y              | 328720       |
| 1204MOEN         |        |      |      |       |       |      |        |        |        |        |        |      |                       | 12       | 4.76 | Y              | 328722       |

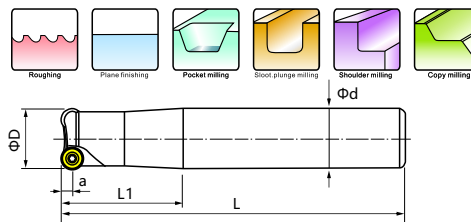


### ■ R200 Rounded Corner End Milling

**SANDVIK**  
Coromant

Cutting Parameters :  
R23-R24  
Accessory : P01

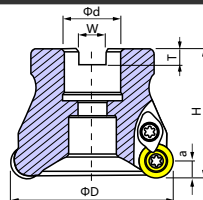
★ Adapter grinding blade Sandvik, higher accuracy, processing a better effect.



| Type<br>Cat. No     | Dimension Size |    |     |    |   | No. of<br>flutes | Insert       | Screw    | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|---------------------|----------------|----|-----|----|---|------------------|--------------|----------|--------|-------|-----------------|----------------|----------------|
|                     | D              | d  | L   | L1 | a |                  |              |          |        |       |                 |                |                |
| 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 Rounded Corner Face Milling

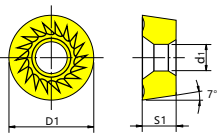
Cutting Parameters :  
R23-R24  
Accessory : P01



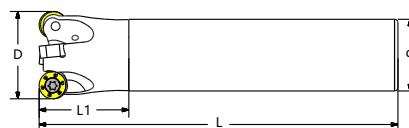
- ★ Adapter grinding blade Sandvik
- ★ High precision, suitable for finishing
- ★ Cone design, steel high

| Type<br>Cat. No   | Dimension Size |      |    |      |     |    | Insert       | Clamp | Screw               | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-------------------|----------------|------|----|------|-----|----|--------------|-------|---------------------|--------|-------|-----------------|----------------|----------------|
|                   | D              | d    | H  | W    | T   | a  |              |       |                     |        |       |                 |                |                |
| R200-5R50-22-4T   | 50             | 22   | 50 | 10.4 | 6.3 | 5  | RC□T 10T3 MO | Y-5R  | M3.5×8.5<br>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  | RC□T 1204 MO | Y-6R  | M4×10               | T15    | ●     | 328910          | 240            | -              |
| R200-6R50-22-4T   | 50             | 22   | 50 | 10.4 | 6.3 | 6  |              |       |                     |        |       | 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  | RC□T 1606 MO | Y-8R  | M5×12               | T20    | ●     | 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  |              |       |                     |        |       | 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  | RC□T 2006 MO | Y-10R | M5×12<br>M6×18      | T30    | ●     | 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<br>M6×18      | T30    | ●     | 328936          | -              | 600            |
| R200-10R125-40-6T | 125            | 40   | 63 | 16.4 | 9   | 10 |              |       |                     |        |       | 328938          | -              | 750            |

## Used Insert

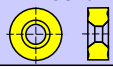
| Type<br>Cat. No. | 530 | 1025 | P201 | 3020 | 3040 | 4020 | 4030 | 4040 | H10F | H13A | SM30 | Shape<br>Insert shape                                                             | 尺寸 Size (mm) |     |      | Order Number |
|------------------|-----|------|------|------|------|------|------|------|------|------|------|-----------------------------------------------------------------------------------|--------------|-----|------|--------------|
|                  |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | D1           | d1  | S1   |              |
| RCKT10T3MO-PM    |     |      |      |      |      |      |      |      |      |      |      |  | 10           | 4.0 | 3.97 | 329100       |
| 10T3MO-KM        |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 10           | 4.0 | 3.97 | 329102       |
| 10T3MO-WM        |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 10           | 4.0 | 3.97 | 329104       |
| 10T3MO           |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 10           | 4.0 | 3.97 | 329106       |
| RCKT1204MO-PM    |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 12           | 4.0 | 4.76 | 329110       |
| 1204MO-KM        |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 12           | 4.0 | 4.76 | 329112       |
| 1204MO-WM        |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 12           | 4.0 | 4.76 | 329114       |
| 1204MO           |     |      |      |      |      |      |      |      |      |      |      |                                                                                   | 12           | 4.0 | 4.76 | 329116       |

### KDR KDR Round nose cutter bar

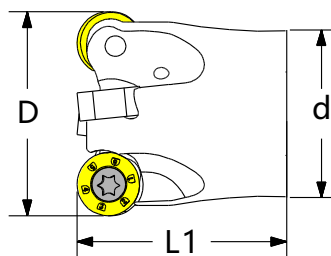


Cutting Parameters :  
R23-R24  
Accessory : P01

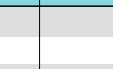
★ The knife grain can be used on both sides, 12 for more economic!

| Type<br>Cat. No     | L<br>Long | D<br>Diameter | L1<br>Effective<br>length | d<br>Shank<br>diameter | Blade<br>number | Insert                                                                              | Screw                                                                                 | Wrench                                                                                | Stock                                               | Order<br>Number | Price<br>(RMB) |
|---------------------|-----------|---------------|---------------------------|------------------------|-----------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------|----------------|
| KDR32Z02A32RN12L200 | 200       | 32            | 40                        | 32                     | 3               |  |  |  | <ul style="list-style-type: none"> <li>•</li> </ul> | 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 KDR cylindrical milling cutter



Cutting Parameters :  
R23-R24  
Accessory : P01

| Type<br>Cat. No  | Long | Diameter | Inner hole | Face diameter | Blade number | Insert                                                                              | Stock                                               | Order<br>Number | Price<br>(RMB) |
|------------------|------|----------|------------|---------------|--------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------|----------------|
| KDR40Z04S16RN12  | 40   | 40       | 16         | 38            | 4            |  | <ul style="list-style-type: none"> <li>•</li> </ul> | 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           |



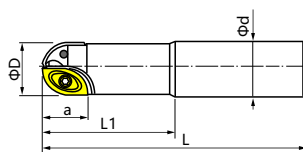
### BCF/BCFL Spherical End Milling

### HITACHI

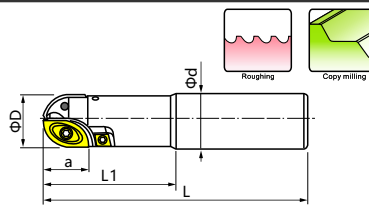
Cutting Parameters : R25-R26  
Accessory : P01



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



BCF Type



BCFL Type

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

| Type<br>Cat. No | Dimension Size |      |     |     |    | No.<br>of flutes | Insert                                                                                         |                                                                                                |                                                                                                  |  |  | Stock    | Order<br>Number | BCF<br>Price<br>(RMB) | BCF<br>Price<br>(RMB) | BCFL<br>Price<br>(RMB) |
|-----------------|----------------|------|-----|-----|----|------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-----------------|-----------------------|-----------------------|------------------------|
|                 | D              | d    | L   | L1  | a  |                  |  Ma r(1 Edge) |  Ma r(1 Edge) |  Side(2 Edge) |                                                                                     |                                                                                     |          |                 |                       |                       |                        |
| C20-10R-150     | 20             | 20   | 150 | 70  | 30 | 2/4              | ZCEW\T<br>100CE                                                                                | ZCEW\T<br>100SE                                                                                | CPMT080204                                                                                       | M3.5×9.5<br>M2.5×6                                                                  | T10<br>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<br>125CE                                                                                | ZCEW\T<br>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<br>150CE                                                                                | ZCEW\T<br>150SE                                                                                | CPMT090308                                                                                       | M5×12<br>M4×9                                                                       | T20<br>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<br>160CE                                                                                  | ZCEW<br>160SE                                                                                  | CPMT090308                                                                                       | M5×12<br>M4×9                                                                       | T30<br>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<br>200CE                                                                                  | ZCEW<br>200SE                                                                                  | CPMT090308                                                                                       | M6×18<br>M4×9                                                                       | T30<br>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<br>250CE                                                                                  | ZCEW<br>250SE                                                                                  | CPMT090308                                                                                       | M6×18<br>M4×9                                                                       | T30<br>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                  |                        |

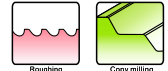
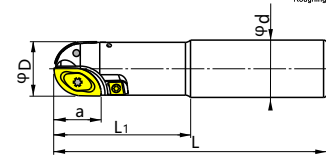
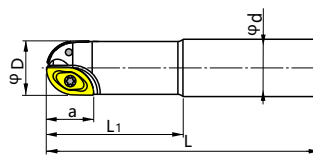
### Used Insert

| Type<br>Cat. No. | CY250 | CY9020 | HC844 | EX40 | WH10 | WH20 | Shape<br>Insert shape | Size (mm) |       |       |      |                | Order Number |
|------------------|-------|--------|-------|------|------|------|-----------------------|-----------|-------|-------|------|----------------|--------------|
|                  |       |        |       |      |      |      |                       | R         | A     | B     | T    | Chip<br>Groove |              |
| ZCET 100CE       |       | ●      |       |      |      |      |                       | 10        | 18.3  | 10    | 4.74 | Y              | 329500       |
| 125CE            |       | ●      |       |      |      |      |                       | 12.5      | 23.1  | 12.3  | 6.1  | Y              | 329502       |
| 150CE            |       | ●      |       |      |      |      |                       | 15        | 28.3  | 14.9  | 7.59 | Y              | 329504       |
| 160CE            |       | ●      |       |      |      |      |                       | 16        | 28.8  | 15.4  | 7.45 | Y              | 329506       |
| ZCEW100CE        | ●     |        | ●     | ●    |      | ●    |                       | 10        | 18.3  | 10    | 4.74 | N              | 329508       |
| 125CE            | ●     |        | ●     | ●    |      | ●    |                       | 12.5      | 23.1  | 12.3  | 6.1  | N              | 329510       |
| 150CE            | ●     |        | ●     | ●    |      | ●    |                       | 15        | 28.3  | 14.9  | 7.59 | N              | 329512       |
| 200CE            | ●     |        | ●     | ●    |      | ●    |                       | 20        | 35.4  | 20.1  | 8.0  | N              | 329514       |
| ZCET 100SE       |       | ●      |       |      |      |      |                       | 10        | 16.7  | 8.1   | 4.24 | Y              | 329516       |
| 125SE            |       | ●      |       |      |      |      |                       | 12.5      | 20.8  | 9.3   | 5.4  | Y              | 329518       |
| 150SE            |       | ●      |       |      |      |      |                       | 15        | 25.7  | 11.8  | 7.09 | Y              | 329520       |
| 160SE            |       | ●      |       |      |      |      |                       | 16        | 26.3  | 12.4  | 6.96 | Y              | 329522       |
| ZCEW100SE        | ●     |        | ●     | ●    |      | ●    |                       | 10        | 16.7  | 8.1   | 4.24 | N              | 329524       |
| 125SE            | ●     |        | ●     | ●    |      | ●    |                       | 12.5      | 20.8  | 9.3   | 5.4  | N              | 329526       |
| 150SE            | ●     |        | ●     | ●    |      | ●    |                       | 15        | 25.7  | 11.8  | 7.09 | N              | 329528       |
| 200SE            | ●     |        | ●     | ●    |      | ●    |                       | 20        | 31.9  | 15.7  | 7.0  | N              | 329530       |
| CPMT080204       | ●     |        | ●     | ●    | ●    | ●    |                       | 0.4       | 7.94  | 7.94  | 2.38 | Y              | 329532       |
| 090308           | ●     |        | ●     | ●    | ●    | ●    |                       | 0.8       | 9.525 | 9.525 | 3.18 | Y              | 329534       |

# Milling Arbor And Face Milling Cuttre

## SWB Spherical End Milling

Cutting Parameters : R25-R26  
Accessory : P01



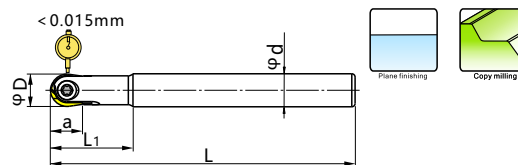
- ★ Use of available high-precision machining precision blade surface.
- ★ Blade surface of convex design, and reduces not only the sharp cutting edge Vibration noise.

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



### ■ ABPF Spherical End Milling

✎ Cutting Parameters : R25-R26  
Accessory : P01

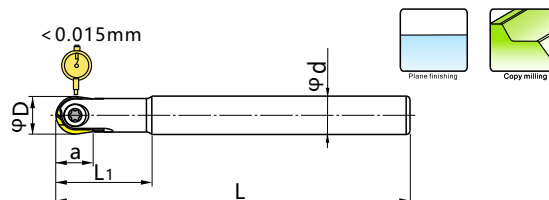


- ★ The blade mounting surface "V" type design, make install more solid.
- ★ R spiral blade design, fast, smooth cutting, machining surface roughness has a guarantee.
- ★ Blade through special processing, have excellent resistance to crash damage.

| Type<br>Cat. No | Size |    |     |    |      | Insert                   | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|-----|----|------|--------------------------|-------|--------|-------|-----------------|----------------|
|                 | D    | d  | L   | L1 | a    |                          |       |        |       |                 |                |
| ABPF4R10-110    | 8    | 10 | 110 | 36 | 5    | ZPFG80(-G)/ZDFG80-W      | 4R    | T8     | •     | 329700          | 400            |
| ABPF5R10-160    | 10   | 10 | 160 | 40 | 7    | ZPFG100(-G)<br>ZDFG100-W | 5R    | T10    | •     | 329702          | 480            |
| ABPF5R12-160    | 10   | 12 | 160 | 50 | 7    |                          |       |        | •     | 329704          | 560            |
| ABPF6R12-160    | 12   | 12 | 160 | 45 | 8    | ZPFG120(-G)/ZDFG120-W    | 6R    | T20    | •     | 329706          | 500            |
| ABPF8R16-200    | 16   | 16 | 200 | 80 | 10   | ZPFG160(-G)/ZDFG160-W    | 8R    | T20    | •     | 329708          | 560            |
| ABPF10R20-200   | 20   | 20 | 200 | 65 | 12.5 | ZPFG200(-G)/ZDFG200-W    | 10R   | T25    | •     | 329710          | 680            |
| ABPF12.5R25-200 | 25   | 25 | 200 | 80 | 15   | ZPFG250(-G)/ZDFG250-W    | 12.5R | T30    | •     | 329712          | 800            |

### ■ BNM Spherical End Milling

✎ Cutting Parameters :  
R25-R26  
Accessory : P01



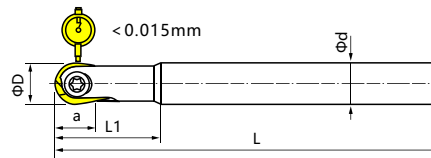
| Type<br>Cat. No       | Long | Diameter | R    | Shank<br>diameter | Effective<br>length | Equipped<br>blade | Clamp<br>screw | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------------|------|----------|------|-------------------|---------------------|-------------------|----------------|-------|-----------------|----------------|----------------|
| BNML-100075T-S12      | 132  | 10       | 5    | 12                | 75                  | BNM-100           | FSW-3007H      | •     | 329800          | -              | 240            |
| BNML-120085T-S16      | 145  | 12       | 6    | 16                | 85                  | BNM-120           | FSW-3509       | •     | 329802          | -              | 260            |
| BNML C12-6R-130-1T    | 130  | 12       | 6    | 12                | 40                  |                   |                | •     | 329804          | 135            | -              |
| BNML C12-6R-150-1T    | 150  | 12       | 6    | 12                | 50                  |                   |                | •     | 329806          | 135            | -              |
| BNML-160100T-S20      | 166  | 16       | 8    | 20                | 100                 | BNM-160           | FSW-4013       | •     | 329808          | -              | 300            |
| BNML C16-8R-150-1T    | 150  | 16       | 8    | 16                | 50                  |                   |                | •     | 329810          | 170            | -              |
| BNML C16-8R-200-1T    | 200  | 16       | 8    | 16                | 60                  |                   |                | •     | 329812          | 200            | -              |
| BNML-200115T-S25      | 191  | 20       | 10   | 25                | 115                 | BNM-200           | FSW-5016       | •     | 329814          | -              | 485            |
| BNML C20-10R-150-1T   | 150  | 20       | 10   | 20                | 50                  |                   |                | •     | 329816          | 170            | -              |
| BNML C20-10R-200-1T   | 200  | 20       | 10   | 20                | 60                  |                   |                | •     | 329818          | 200            | -              |
| BNML C25-10R-250-1T   | 250  | 20       | 10   | 25                | 60                  |                   |                | •     | 329820          | 235            | -              |
| BNML C25-12.5R-150-1T | 150  | 25       | 12.5 | 12.5              | 45                  | BNM-250           | FSW-6020       | •     | 329822          | 200            | -              |
| BNML C25-12.5R-200-1T | 200  | 25       | 12.5 | 12.5              | 55                  |                   |                | •     | 329824          | 235            | -              |
| BNML C25-12.5R-250-1T | 250  | 25       | 12.5 | 12.5              | 60                  |                   |                | •     | 329826          | 270            | -              |
| BNMM-300106T-S32      | 186  | 30       | 15   | 32                | 106                 | BNM-300           | FSW-8025       | •     | 329828          | -              | 1000           |
| BNML-300160T-S32      | 240  | 30       | 15   | 32                | 160                 |                   |                | •     | 329830          | -              | 1100           |

# Milling Arbor And Face Milling Cuttre

## ■ T2139 Spherical Precision End Mill



Cutting Parameters :  
R25-R26  
Accessory : P01



- ★ 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.

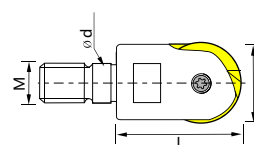
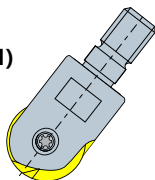
| Type<br>Cat. No    | Dimension Size |    |     |     |      | Insert      | Screw          | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|--------------------|----------------|----|-----|-----|------|-------------|----------------|--------|-------|-----------------|----------------|----------------|
|                    | D              | d  | L   | L1  | a    |             |                |        |       |                 |                |                |
| T2139C08-4R-110    | 8              | 8  | 110 | 25  | 4    | P320 □-D 08 | T2139<br>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<br>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    |             |                |        |       | 329914          | 100            | 160            |
| T2139C12-6R-150    | 12             | 12 | 150 | 50  | 6    | P320 □-D 12 | T2139<br>6R    | T20    | ●     | 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    |             |                |        |       | 329922          | 133            | 185            |
| T2139C16-8R-200    | 16             | 16 | 200 | 60  | 8    | P320 □-D 16 | T2139<br>8R    | T20    | ●     | 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   |             |                |        |       | 329930          | 167            | 260            |
| T2139C20-10R-200   | 20             | 20 | 200 | 60  | 10   | P320 □-D 20 | T2139<br>10R   | T20    | ●     | 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 |             |                |        |       | 329938          | 200            | 520            |
| T2139C25-12.5R-200 | 25             | 25 | 200 | 55  | 12.5 | P320 □-D 25 | T2139<br>12.5R | T30    | ●     | 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<br>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   | P320 □-D 32 | T2139<br>16R   | T30    | ●     | 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<br>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   | P320 □-D 32 | T2139<br>16R   | T30    | ●     | 329972          | 367            | -              |
| T2139C40-16R-250   | 32             | 40 | 250 | 121 | 16   |             |                |        |       | 329974          | -              | 920            |
| T2139C40-16R-350   | 32             | 40 | 350 | 121 | 16   |             |                |        |       | 329976          | -              | 1400           |

- 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 Ball Precision Cutters (T2139M)

Cutting Parameters : R25-R26  
Accessory : P01

Applicable for: WALTER



| Type<br>Cat. No | Size |    |      |     | Teeth | Insert        | Screw       | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|------|-----|-------|---------------|-------------|--------|-------|-----------------|----------------|
|                 | D    | L  | d    | M   |       |               |             |        |       |                 |                |
| T2139M6R-M6     | 12   | 35 | 6.5  | M6  | 1     | P 320□ - D 12 | T2139-6R    | T20    | ●     | 331100          | 250            |
| T2139M8R-M8     | 16   | 35 | 8.5  | M8  | 1     | P 320□ - D 16 | T2139-8R    | T20    | ●     | 331102          | 250            |
| T2139M10R-M10   | 20   | 35 | 10.5 | M10 | 1     | P 320□ - D 20 | T2139-10R   | T20    | ●     | 331104          | 300            |
| T2139M12.5R-M12 | 25   | 40 | 12.5 | M12 | 1     | P 320□ - D 25 | T2139-12.5R | T30    | ●     | 331106          | 350            |
| T2139M15R-M16   | 30   | 40 | 17   | M16 | 1     | P 320□ - D 30 | T2139-15R   | T30    | ●     | 331108          | 450            |
| T2139M16R-M16   | 32   | 40 | 17   | M16 | 1     | P 320□ - D 32 | T2139-16R   | T30    | ●     | 331110          | 450            |

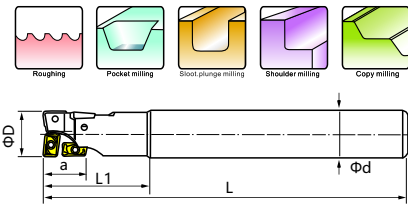


### ASJ-4P Drilling And End Mill

### HITACHI

✎ Cutting Parameters : R16  
Accessory : P01

- ★ 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.



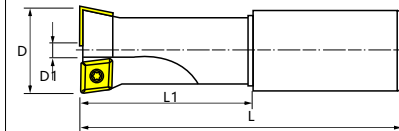
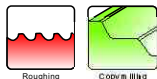
| Type<br>Cat. No | Dimension Size |    |     |     |    |    | Insert                       | Screw       | Wrench | Stock | Order Number | Price (RMB) |
|-----------------|----------------|----|-----|-----|----|----|------------------------------|-------------|--------|-------|--------------|-------------|
|                 | D              | d  | L   | L1  | L2 | a  | Shear Blades Peripheral Edge |             |        |       |              |             |
| 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 |                              |             |        | ●     | 332402       | 200         |
| ASJ20-20-200-4T | 20             | 20 | 200 | 40  | -  | 20 | ADMT100300L                  | M2.5×6      | T8     | ●     | 332404       | 215         |
| ASJ20-21-160-4T | 21             | 20 | 160 | 35  | -  | 20 | ACMT100300L                  |             |        | ●     | 332406       | 200         |
| ASJ20-21-200-4T | 21             | 20 | 200 | 35  | -  | 20 |                              |             |        | ●     | 332408       | 215         |
| ASJ25-25-160-4T | 25             | 25 | 160 | 50  | -  | 25 |                              |             |        | ●     | 332410       | 230         |
| ASJ25-25-200-4T | 25             | 25 | 200 | 75  | -  | 25 |                              |             |        | ●     | 332412       | 250         |
| ASJ25-25-250-4T | 25             | 25 | 250 | 75  | -  | 25 | ADMT12T300L                  | M3.5×7      | T10    | ●     | 332414       | 270         |
| ASJ25-26-160-4T | 26             | 25 | 160 | 50  | -  | 25 | APMT12T300L                  |             |        | ●     | 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 |                              |             |        | ●     | 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 | APMT160400L                  | M4×9        | T15    | ●     | 332432       | 300         |
| ASJ32-35-160-4T | 35             | 32 | 160 | 80  | -  | 32 | APMT150400L                  |             |        | ●     | 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         |

### Used Insert

| Type Cat. No. | CY250 | GF30 | CY100H | Shape | Insert shape | Size (mm) |      |      |    |     | Order Number |
|---------------|-------|------|--------|-------|--------------|-----------|------|------|----|-----|--------------|
|               |       |      |        |       |              | A         | B    | T    | θ  | R   |              |
| ADMT080308L   | ●     | ●    | ●      |       | 底刃           | 7.8       | 6.2  | 3.0  | 15 | 0.8 | 332500       |
| 100308L       | ●     | ●    | ●      |       |              | 10.4      | 6.35 | 3.18 | 15 | 0.8 | 332502       |
| 12T308L       | ●     | ●    | ●      |       |              | 12.6      | 7.93 | 3.9  | 15 | 0.8 | 332504       |
| APMT160408L   | ●     | ●    | ●      |       |              | 16.45     | 9.53 | 4.76 | 11 | 0.8 | 332506       |
| 170408L       | ●     | ●    | ●      |       |              | 17.6      | 9.53 | 4.76 | 11 | 0.8 | 332508       |
| 190508L       | ●     | ●    | ●      |       |              | 19.6      | 10   | 5.0  | 11 | 0.8 | 332510       |
| 250508L       | ●     | ●    | ●      |       | 外周刃          | 25.4      | 11   | 5.5  | 11 | 0.8 | 332512       |
| APMT090208R   | ●     | ●    | ●      |       |              | 9.1       | 5.1  | 2.6  | 11 | 0.8 | 332514       |
| ACMT100308R   | ●     | ●    | ●      |       |              | 10.1      | 6.35 | 3.4  | 7  | 0.8 | 332516       |
| APMT12T308R   | ●     | ●    | ●      |       |              | 13.14     | 7.93 | 3.9  | 11 | 0.8 | 332518       |
| 150408R       | ●     | ●    | ●      |       |              | 15.88     | 9.53 | 4.76 | 11 | 0.8 | 332520       |

### Screw Countersunk Hole End Mill

✎ Cutting Parameters : R16  
Inserts : A13  
Accessory : P01



●The traditional drilling and the processing of the head are combined into a whole, and once the processing is completed, the processing efficiency of the screw countersunk head hole is greatly improved

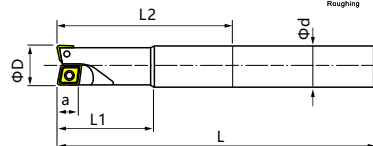
| Type<br>Cat. No | Dimension Size |      |    |      |     |   | No. of flutes | Insert | Screw | Wrench | Stock | Order Number | Price (RMB) |
|-----------------|----------------|------|----|------|-----|---|---------------|--------|-------|--------|-------|--------------|-------------|
|                 | D              | D1   | d  | L1   | L   |   |               |        |       |        |       |              |             |
| 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         |

## TJU Drilling And End Mill

Cutting Parameters : R16  
Accessory : P01



### HITACHI

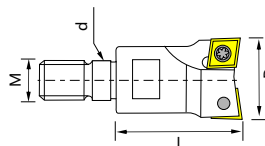
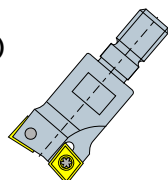


- ★ Drilling and milling shared wide scope of application.
- ★ Cutting resistance, the load light.

| Type<br>Cat. No | Dimension Size |    |     |    |     |    | No. of<br>flutes | Insert                      | Screw            | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|----|-----|----|-----|----|------------------|-----------------------------|------------------|--------|-------|-----------------|----------------|----------------|
|                 | D              | d  | L   | L1 | L2  | a  |                  |                             |                  |        |       |                 |                |                |
| TJU08-08-100-1T | 8              | 8  | 100 | 30 | -   | 6  | 1                | CCMT 060204                 | M2.5×6           | T8     | ●     | 332700          | -              | 90             |
| TJU10-10-100-1T | 10             | 10 | 100 | 25 | -   | 6  | 1                | CPMT 080204Z                |                  |        | ●     | 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<br>CPMT 090204Z | M2.5×6<br>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                | CPMT 090308<br>CPMT 120308Z | M4×9             | T15    | ●     | 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                |                             |                  |        | ●     | 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                | CPMT 120408<br>CPMT 160408Z | M5×12            | T20    | ●     | 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<br>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 Boring & Milling Cutter(TJUM)

Cutting Parameters : R16  
Accessory : P01



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

Applicable for: HITACHI

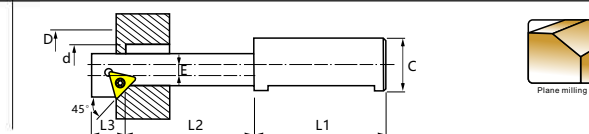
## Used Insert

| Type<br>Cat. No. | CY250 | HC844 | GX30 | EX40 | WH10 | WH20 | Shape<br>Insert shape | Size (mm) |      |    |     | Order Number |
|------------------|-------|-------|------|------|------|------|-----------------------|-----------|------|----|-----|--------------|
|                  |       |       |      |      |      |      |                       | D         | S1   | θ  | R   |              |
| CCMT060204       | ●     | ●     |      | ●    | ●    |      |                       | 6.35      | 2.38 | 7  | 0.4 | 332900       |
| CPMT090308       | ●     | ●     |      | ●    | ●    | ●    |                       | 9.525     | 3.18 | 11 | 0.8 | 332902       |
| 120408           | ●     | ●     | ●    | ●    | ●    |      |                       | 12.7      | 4.76 | 11 | 0.8 | 332904       |
| CPMT080204Z      | ●     | ●     |      | ●    | ●    |      |                       | 7.94      | 2.38 | 11 | 0.4 | 332906       |
| 090204Z          | ●     | ●     |      | ●    | ●    |      |                       | 9.525     | 2.38 | 11 | 0.4 | 332908       |
| 120308Z          | ●     | ●     |      | ●    | ●    |      |                       | 12.7      | 3.18 | 11 | 0.8 | 332910       |
| 160408Z          | ●     | ●     |      | ●    | ●    |      |                       | 15.875    | 4.76 | 11 | 0.8 | 332912       |



### Back Type Chamfering Cutter

✎ : A19-A20  
Accessory : P01

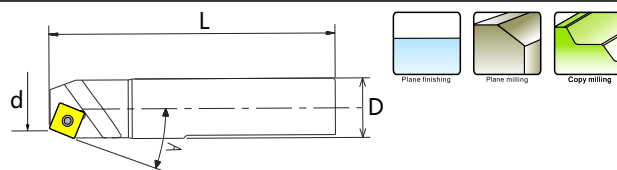


- ★ No need for reverse running of spind that minimizes defect of tool.
- ★ Specially designed body gives maximum rigidity.

| Type    | Dimension Size |    |    |    |    |    |     | Insert                   | Screw    | Wrench | Stock | Order Number | Price (RMB) |
|---------|----------------|----|----|----|----|----|-----|--------------------------|----------|--------|-------|--------------|-------------|
| Cat. No | D              | d  | C  | L1 | L2 | L3 | E   |                          |          |        |       |              |             |
| BC-2014 | 20             | 14 | 16 | 48 | 40 | 13 | 3.2 | TCMT110204<br>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         |

### BMC/MC Chamfering Cutter

✎ Accessory : P01

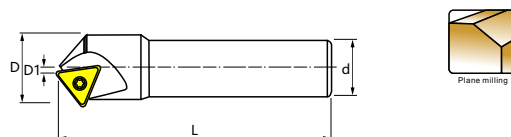


★ A variety of angles, applicable hole back and the edge chamfer, reduce secondary clamping, time efficient!

| Type                | Size  |         |    |     | Insert     | Screw | Wrench | Stock | Order Number | Price (RMB) |
|---------------------|-------|---------|----|-----|------------|-------|--------|-------|--------------|-------------|
| Cat. No             | Min d | Angle A | D  | L   |            |       |        |       |              |             |
| 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         |

### 45° Chamfering Cutter

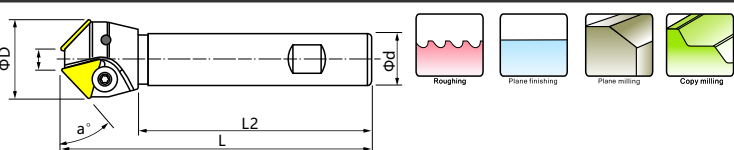
✎ : A19-A20  
Accessory : P01



| Type    | Dimension Size |    |    |     | No. of flutes | Angle | Insert     | Screw | Wrench | Stock | Order Number | Price (RMB) |
|---------|----------------|----|----|-----|---------------|-------|------------|-------|--------|-------|--------------|-------------|
| Cat. No | D              | D1 | d  | L   |               |       |            |       |        |       |              |             |
| TC12    | 25             | 5  | 12 | 110 | 1             | 45    | TCMT16T304 | M4×9  | T15    | ●     | 333300       | 260         |
| TC40    | 40             | 20 | 12 | 100 |               |       |            |       |        | ●     | 333302       | 350         |
| TC03-25 | 25             | 3  | 20 | 110 |               |       |            |       |        | ●     | 333304       | 260         |

### TP30°/45°/60° Chamfering Cutter

✎ Inserts : D11  
Accessory : P01



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

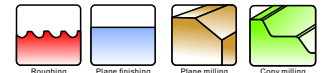
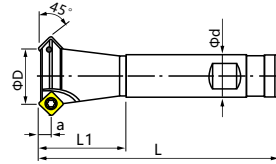
| Type            | Dimension Size |    |    |    |     |    |               | Insert     | Clamp | Screw         | Wrench | Stock | Price (RMB) | Price (RMB) |
|-----------------|----------------|----|----|----|-----|----|---------------|------------|-------|---------------|--------|-------|-------------|-------------|
| Cat. No         | a°             | D  | d1 | d  | L   | L2 | No. of flutes |            |       |               |        |       |             |             |
| TP16R30C20-1035 | 30             | 35 | 10 | 20 | 120 | 90 | 2             | TPMN160308 | TP-16 | 1/4 Umbrella  | L4     | ●     | 333400      | 200         |
| TP16R45C16-0521 | 45             | 21 | 5  | 16 | 120 | 90 | 1             |            |       |               |        | ●     | 333402      | 200         |
| TP16R45C20-1031 | 45             | 31 | 10 | 20 | 120 | 90 | 2             |            |       |               |        | ●     | 333404      | 200         |
| TP22R45C25-2050 | 45             | 50 | 20 | 25 | 130 | 90 | 3             | TPMN220408 | TP-22 | 5/16 Umbrella | L5     | ●     | 333406      | 250         |
| TP22R45C32-2050 | 45             | 50 | 20 | 32 | 160 | 90 | 3             |            |       |               |        | ●     | 333408      | 250         |
| TP22R45C32-3263 | 45             | 63 | 35 | 32 | 160 | 90 | 3             |            |       |               |        | ●     | 333410      | 300         |
| TP16R60C20-1024 | 60             | 24 | 10 | 20 | 120 | 90 | 1             | TPMN160308 | TP-16 | 1/4 Umbrella  | L4     | ●     | 333412      | 200         |
| TP22R60C20-2035 | 60             | 35 | 20 | 20 | 120 | 90 | 1             | TPMN220408 | TP-22 | 5/16 Umbrella | L5     | ●     | 333414      | 250         |

| Type        | UT120 | NX2525 | JC5015 | P201 | Shape        | Size (mm) |      |             | Order Number |
|-------------|-------|--------|--------|------|--------------|-----------|------|-------------|--------------|
| Cat. No.    |       |        |        |      | Insert shape | d         | S1   | Chip Groove |              |
| TPKN1603PDR | ●     | ●      | ●      |      |              | 9.525     | 3.18 | (without)   | 333500       |
| TPMN1603PDR | ●     | ●      | ●      |      |              | 9.525     | 3.18 | (without)   | 333502       |
| TPKN2204PDR | ●     | ●      | ●      |      |              | 12.7      | 4.76 | (without)   | 333504       |
| TPMN220408  |       |        |        | ●    |              | 12.7      | 4.76 | (without)   | 333506       |

# Milling Arbor And Face Milling Cuttre

## ■ SD-45° Internal and external chamfering tool

Accessory : P01

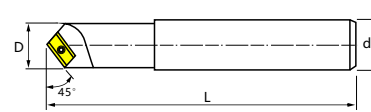


- ★ For internal and external chamfering processing, end-groove.
- ★ Blade shape is square, use indexable four times more economical.

| Type<br>Cat. No | Dimension Size |       |     |    |     | No. of flutes | Insert    | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|-------|-----|----|-----|---------------|-----------|-------|--------|-------|-----------------|----------------|----------------|
|                 | D              | d     | L   | L1 | a   |               |           |       |        |       |                 |                |                |
| SD20-25-110-2T  | 25             | 20    | 110 | 40 | 4.6 | 2             | SDMB26152 | M3×7  | T10    | ●     | 333600          | 150            | 150            |
| SD20-25-150-2T  | 25             | 20    | 150 | 45 | 4.6 | 2             |           |       |        | ●     | 333602          | -              | 150            |
| SD20-30-110-2T  | 30             | 20    | 110 | 40 | 4.6 | 2             |           |       |        | ●     | 333604          | -              | 200            |
| SD20-30-150-2T  | 30             | 20    | 150 | 45 | 4.6 | 2             |           |       |        | ●     | 333606          | -              | 200            |
| SD25-30-150-2T  | 30             | 25    | 150 | 40 | 4.6 | 2             |           |       |        | ●     | 333608          | 160            | -              |
| SD25-45-150-2T  | 45             | 25    | 150 | 40 | 4.6 | 2             |           |       |        | ●     | 333610          | 210            | -              |
| SD3/4-25-110-2T | 25             | 19.05 | 110 | 40 | 4.6 | 2             |           |       |        | ●     | 333612          | -              | 150            |
| SD3/4-30-110-2T | 30             | 19.05 | 110 | 40 | 4.6 | 2             |           |       |        | ●     | 333614          | -              | 200            |

## ■ SSK45° Chamfering Cutter

Accessory : P01

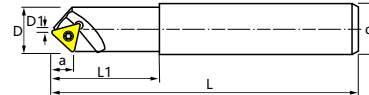


- ★ This cutter can be 45° cutting, chamfering can be done.
- ★ Suitable for general milling machine, integrated machining center.

| Type<br>Cat. No | Dimension Size |    |     | No. of flutes | Chamfering<br>range | Angle | Insert     | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|----|-----|---------------|---------------------|-------|------------|-------|--------|-------|-----------------|----------------|----------------|
|                 | D              | d  | L   |               |                     |       |            |       |        |       |                 |                |                |
| SSK20-20-130    | 20             | 20 | 130 | Φ3~Φ20        | 1                   | 45    | ADNT160308 | M4×8  | T15    | ●     | 333700          | 130            | 130            |

## ■ SSP45° Positioning Chamfering Tool

Accessory : P01

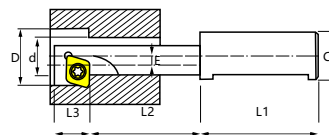


- ★ This cutter can be 45° cutting, chamfering can be done, groove cutting, drilling may be the use of central location
- ★ Suitable for general milling machine, CNC milling machines, CNC lathes, drilling chamfering

| Type<br>Cat. No | Dimension Size |    |    |      |    |     | No. of<br>flutes | Chamfering<br>range | Angle | Insert       |  |  | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|----|----|------|----|-----|------------------|---------------------|-------|--------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|-----------------|----------------|----------------|
|                 | D              | d  | D1 | a    | L1 | L   |                  |                     |       |              |                                                                                       |                                                                                       |       |                 |                |                |
| SSP20-20-130    | 20             | 20 | 0  | 11.3 | 20 | 130 | 1                | Φ0~Φ20              | 45    | TCMT16T308.. | M4×9                                                                                  | T15                                                                                   | ●     | 333800          | 130            | 150            |

## ■ Back Type Countersunk Head Milling Cutter

Accessory : P01



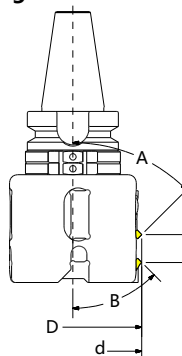
- Reduce the two processing, increase the fine-tuning mechanism
- No positive inversion, reduce the probability of damage
- Rigid body of special design

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

## ■ DBG DBG High light chamfering cutter



- ★ Suitable for high gloss chamfering IT 3C industry, under the same knife chamfer, improve efficiency, increase stability.



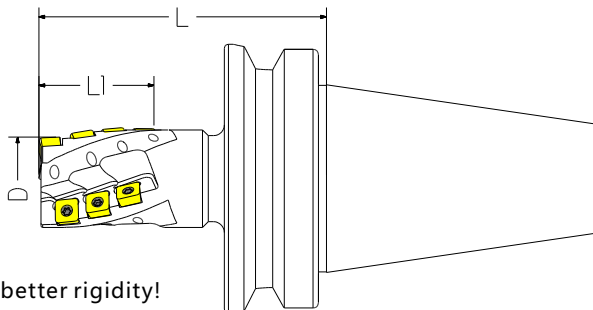
| Type<br>Cat. No   | Clamp Handle | On the chamfer A |    | A lower chamfer B |     | The thickness of the products Max, w | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|--------------|------------------|----|-------------------|-----|--------------------------------------|-------|-----------------|----------------|
|                   |              | 15               | 30 | 45                | 60  |                                      |       |                 |                |
| DBG66-15DEG-BT30  | BT30         | 15               | 30 | 45                | 60  | 8.5                                  | ●     | 334100          | 6000           |
| DBG66-30DEG-BT30  | BT30         | 30               | 45 | 60                | 75  | 9                                    | ●     | 334102          | 6000           |
| DBG66-45DEG-BT30  | BT30         | 45               | 60 | 75                | 90  | 9.5                                  | ●     | 334104          | 6000           |
| DBG66-60DEG-BT30  | BT30         | 60               | 75 | 90                | 105 | 10.5                                 | ●     | 334106          | 6000           |
| DBG66-15DEG-ISO20 | ISO 20       | 15               | 30 | 45                | 60  | 8.5                                  | ●     | 334108          | 7000           |
| DBG66-30DEG-ISO20 | ISO 20       | 30               | 45 | 60                | 75  | 9                                    | ●     | 334110          | 7000           |
| DBG66-45DEG-ISO20 | ISO 20       | 45               | 60 | 75                | 90  | 9.5                                  | ●     | 334112          | 7000           |
| DBG66-60DEG-ISO20 | ISO 20       | 60               | 75 | 90                | 105 | 10.5                                 | ●     | 334114          | 7000           |
| DBG66-15DEG-C10   | 10           | 15               | 30 | 45                | 60  | 8.5                                  | ●     | 334116          | 5000           |
| DBG66-30DEG-C10   | 10           | 30               | 45 | 60                | 75  | 9                                    | ●     | 334118          | 5000           |
| DBG66-45DEG-C10   | 10           | 45               | 60 | 75                | 90  | 9.5                                  | ●     | 334120          | 5000           |
| DBG66-60DEG-C10   | 10           | 60               | 75 | 90                | 105 | 10.5                                 | ●     | 334122          | 5000           |



WEB: <http://www.mzg.tw>

### ■ BTR

#### BTR integral type maize rough milling cutter



Cutting Parameters : R16

Accessory : P01

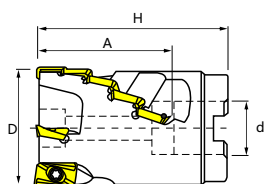
★ The overall structure, cutting better rigidity!

★ A variety of cutting length, flexible choice.

| Type<br>Cat. No | Size |     |     | Insert               | Clamp screw | wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|-----|-----|----------------------|-------------|--------|-------|-----------------|----------------|
|                 | D    | L1  | L   |                      |             |        |       |                 |                |
| BT40-APC40-60   | 40   | 60  | 107 | APKT1604             | M4          | T15    | •     | 334200          | 3200           |
| BT40-APC50-70   | 50   | 70  | 117 |                      |             |        | •     | 334202          | 3600           |
| BT50-APC50-70   | 50   | 70  | 138 |                      |             |        | •     | 334204          | 4300           |
| BT50-APC63-85   | 63   | 85  | 153 |                      |             |        | •     | 334206          | 5500           |
| BT50-APC80-120  | 80   | 120 | 188 |                      |             |        | •     | 334208          | 6500           |
| BT50-APC100-150 | 100  | 150 | 203 |                      |             |        | •     | 334210          | 8500           |
|                 |      |     |     |                      |             |        |       | 334212          |                |
| BT40-SPC40-60   | 40   | 60  | 107 | LPMT1504<br>SPMT1204 | M5          | T20    | •     | 334214          | 3200           |
| BT40-SPC50-60   | 50   | 60  | 117 |                      |             |        | •     | 334216          | 3600           |
| BT50-SPC50-60   | 50   | 60  | 138 |                      |             |        | •     | 334218          | 4300           |
| BT50-SPC63-80   | 63   | 80  | 153 |                      |             |        | •     | 334220          | 5500           |
| BT50-SPC80-120  | 80   | 120 | 188 |                      |             |        | •     | 334222          | 6500           |
| BT50-SPC80-150  | 80   | 150 | 203 |                      |             |        |       | 334224          |                |

### ■ APC

#### Corn Milling Cutter



Cutting Parameters : R16

Accessory : P01

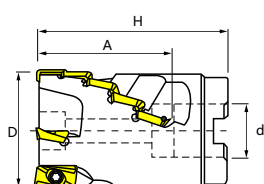
★ High-performance-based rough milling, deep hole can be processed.

★ Arbor size can be arbitrarily change the depth of maximum efficiency.

| Type<br>Cat. No | Dimension Size |      |    |    | Number<br>T | Insert   | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|----------------|------|----|----|-------------|----------|-------|--------|-------|-----------------|----------------|
|                 | D              | d    | A  | H  |             |          |       |        |       |                 |                |
| APC-50-22-45L   | 50             | 22   | 45 | 64 | 9           | APKT1604 | M4    | T15    | •     | 334300          | 2200           |
| APC-63-25.4-45L | 63             | 25.4 | 45 | 64 | 12          |          |       |        | •     | 334302          | 2800           |
| APC-62-25.4-68L | 63             | 25.4 | 68 | 90 | 20          |          |       |        | •     | 334304          | 3000           |

### ■ SPC

#### Corn Milling Cutter



Cutting Parameters : R16

Accessory : P01

★ High-performance-based rough milling, deep hole can be processed.

★ Arbor size can be arbitrarily change the depth of maximum efficiency.

| Type<br>Cat. No  | Dimension Size |       |    |     |   | Insert   |   |          |    | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|------------------|----------------|-------|----|-----|---|----------|---|----------|----|-------|--------|-------|-----------------|----------------|
|                  | D              | d     | A  | H   | T |          | T |          | T  |       |        |       |                 |                |
| 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           |



# Milling Arbor And Face Milling Cuttre

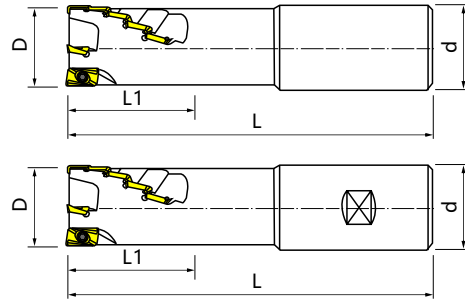
## ■ APK Corn Milling Cutter



✎ Cutting Parameters : R16  
Accessory : P01



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

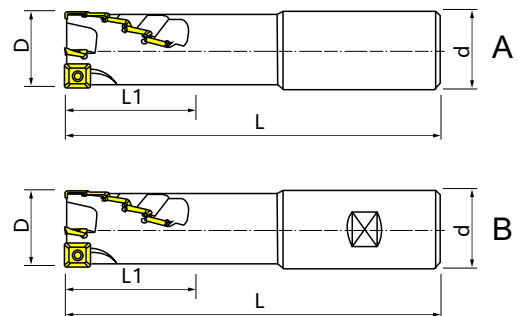
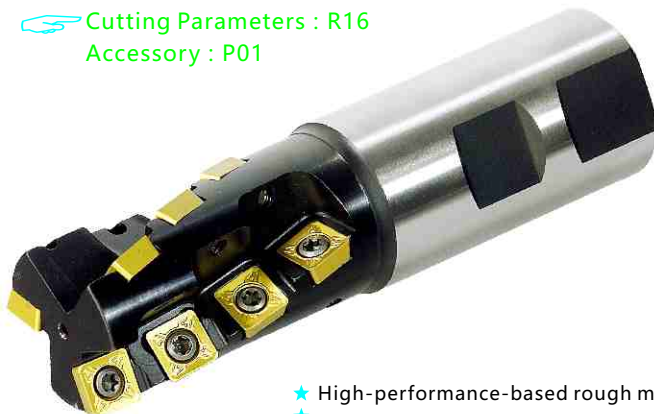


| Type<br>Cat. No | Dimension Size |    |    |     | No. of flutes | Number<br>T | Insert<br> | Screw<br> | Wrench<br> | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|----------------|----|----|-----|---------------|-------------|------------|-----------|------------|-------|-----------------|----------------|
|                 | D              | d  | L1 | L   |               |             |            |           |            |       |                 |                |
| APK-20-100-28L  | 20             | 20 | 28 | 100 | 2             | 5           | APKT1003   | M2.5      | T8         | ●     | 334500          | 1000           |
| APK-25-130-37L  | 25             | 25 | 37 | 130 | 2             | 8           |            |           |            | ●     | 334502          | 1150           |
| APK-32-140-46L  | 32             | 32 | 46 | 140 | 3             | 15          |            |           |            | ●     | 334504          | 1250           |

## ■ SPM Corn Milling Cutter



✎ Cutting Parameters : R16  
Accessory : P01



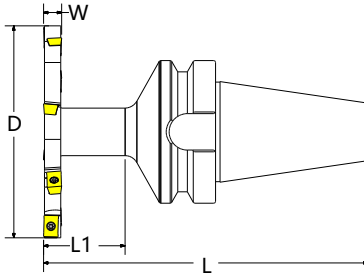
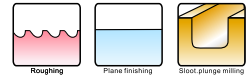
- ★ High-performance-based rough milling, deep hole can be processed.
- ★ Arbor size can be arbitrarily change the depth of maximum efficiency.

| Type<br>Cat. No    | Dimension Size |    |     |     | 图示<br>Figure | No. of flutes | Insert |                                                                                     |                                                                                     |            | Screw<br> | Wrench<br> | Stock |        | Price<br>(RMB) |
|--------------------|----------------|----|-----|-----|--------------|---------------|--------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------|--------|----------------|
|                    | D              | d  | L1  | L   |              |               | T      |  |  | T          |                                                                                                |                                                                                                 |       |        |                |
| SPM-32-120-40-C32  | 32             | 32 | 40  | 120 | A            | 3             |        |                                                                                     |                                                                                     |            | M4                                                                                             | T15                                                                                             | ●     | 334600 | 1200           |
| SPM-32-150-40-C32  | 32             | 32 | 40  | 150 | A            | 3             |        |                                                                                     |                                                                                     | SCMT09T304 |                                                                                                |                                                                                                 | ●     | 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           |



### 890

#### 890 Integrated high power T cutter



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



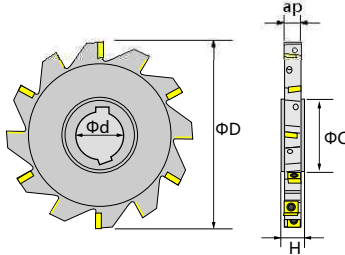
Cutting Parameters : R16  
Accessory : P01

| Type<br>Cat. No      | Blade<br>number | D<br>Diameter | W<br>Cutting<br>width | d  | L  | Insert         | Stock | Order<br>Number | Price<br>(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           |

### DMP Three Surface Edge End Mill(Card Type)

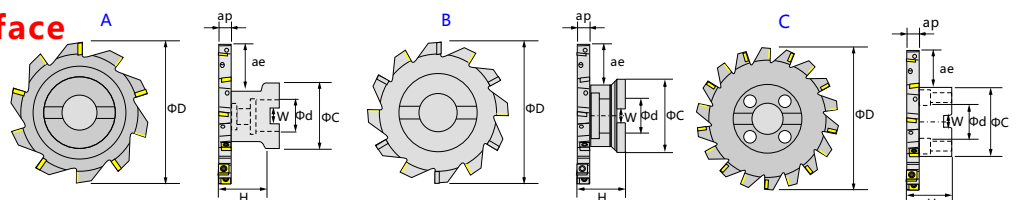


Cutting Parameters : R16  
Accessory : P01



| Type<br>Cat. No | Size |    |    |    |    |    |            | Insert   | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|----|----|----|----|------------|----------|-------|--------|-------|-----------------|----------------|
|                 | ΦD   | ΦC | Φd | ap | H  | Z  |            |          |       |        |       |                 |                |
| 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 Three Surface Edge End Mill (Cutter Type)



| Type<br>Cat. No | Size |    |    |    |      |    |    | Insert     | Screw    | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|------|----|----|----|------|----|----|------------|----------|--------|-------|-----------------|----------------|
|                 | ΦD   | ΦC | Φd | ap | W    | H  | Z  |            |          |        |       |                 |                |
| 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-B32 | 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 | MP□T120408 | M5X13    | T20    | ●     | 335312          | 3000           |
| DMP12-12512-B32 | 125  | 65 | 32 | 16 | 14.4 | 50 | 10 |            |          |        | ●     | 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           |

#### Used Insert

| Type<br>Cat. No. | YBG102 | YBG302 | YBG152 | YBG252 | Shape<br>Insert shape | Size (mm) |      |              | Order Number |
|------------------|--------|--------|--------|--------|-----------------------|-----------|------|--------------|--------------|
|                  |        |        |        |        |                       | D1        | S1   | Chip breaker |              |
| MPHT060304-DM    | ●      | ●      | ●      |        |                       | 6.35      | 3.18 | Y            | 335400       |
| MPHT080305-DM    |        | ●      |        | ●      |                       | 8.3       | 3.18 | Y            | 335402       |
| MPHT120408-DM    |        | ●      | ●      | ●      |                       | 12.7      | 4.76 | Y            | 335404       |

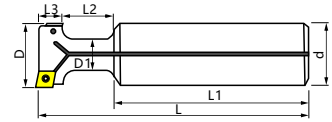


# Milling Arbor And Face Milling Cuttre

## ■ ATS T Grooving End Mill

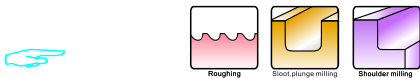


→ Cutting Parameters : R16  
Accessory : P01

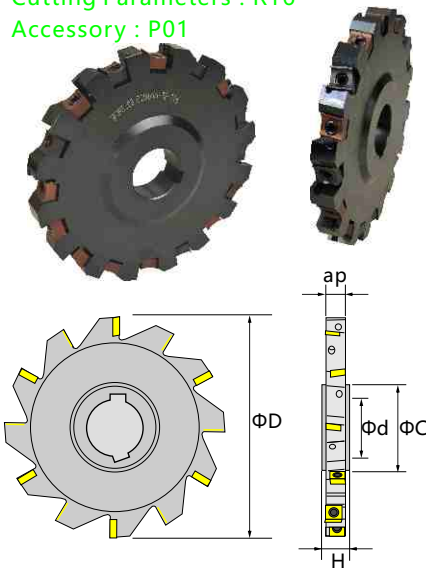


| Type<br>Cat. No | Dimension Size |    |      |     |    |    |    | No. of flutes | Insert     | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|----------------|----|------|-----|----|----|----|---------------|------------|--------|--------|-------|-----------------|----------------|
|                 | D              | d  | D1   | L   | L1 | L2 | L3 |               |            |        |        |       |                 |                |
| 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            |

## ■ SMP Three Surface Edge End Mill(Card Type)



→ Cutting Parameters : R16  
Accessory : P01

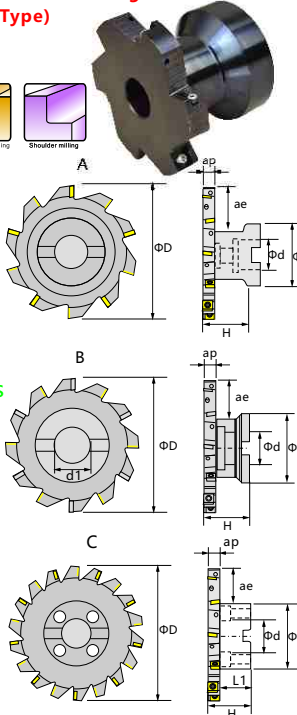


| Type<br>Cat. No    | Size |    |    |    |    |     |  |  |  | Stock | Order<br>Number | Price<br>(RMB) |
|--------------------|------|----|----|----|----|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-----------------|----------------|
|                    | ΦD   | ap | Φd | H  | ΦC | T   |                                                                                     |                                                                                     |                                                                                     |       |                 |                |
| 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 |    |    |    |     | SPMG07T308                                                                          | TS2511                                                                              | T8                                                                                  | ●     | 335604          | 1400           |
| SMP-80-12-8T-K22   |      | 12 |    |    |    |     | SPMG050204                                                                          | TS2003                                                                              | T8                                                                                  | ●     | 335608          | 1500           |
| SMP-100-06-10T-K27 | 100  | 6  | 27 | 16 | 50 | 2X5 | SPMG060204                                                                          | TS2202                                                                              | T8                                                                                  | ●     | 335610          | 1500           |
| SMP-100-08-10T-K27 |      | 8  |    |    |    |     | SPMG07T308                                                                          | TS2511                                                                              | T8                                                                                  | ●     | 335612          | 1500           |
| SMP-100-10-10T-K27 |      | 10 |    |    |    |     | SPMG090408                                                                          | TS3504                                                                              | T15                                                                                 | ●     | 335616          | 1500           |
| SMP-100-12-10T-K27 |      | 12 |    |    |    |     | SPMG050204                                                                          | TS2003                                                                              | T6                                                                                  | ●     | 335618          | 1500           |
| SMP-100-14-10T-K27 | 125  | 14 | 32 | 16 | 65 | 2X6 | SPMG060204                                                                          | TS2202                                                                              | T6                                                                                  | ●     | 335620          | 1650           |
| SMP-100-16-10T-K27 |      | 16 |    |    |    |     | SPMG07T308                                                                          | TS2511                                                                              | T8                                                                                  | ●     | 335622          | 1650           |
| SMP-125-06-12T-K32 |      | 18 |    |    |    |     | SPMG090408                                                                          | TS3504                                                                              | T15                                                                                 | ●     | 335626          | 1650           |
| SMP-125-08-12T-K32 |      | 20 |    |    |    |     | SPMG110408                                                                          | TS4006                                                                              | T15                                                                                 | ●     | 335628          | 1650           |
| SMP-125-10-12T-K32 | 160  | 16 | 40 | 20 | 75 | 2X5 | SPMG050204                                                                          | TS2003                                                                              | T6                                                                                  | ●     | 335630          | 1650           |
| SMP-125-12-12T-K32 |      | 18 |    |    |    |     | SPMG060204                                                                          | TS2202                                                                              | T6                                                                                  | ●     | 335632          | 1650           |
| SMP-125-14-12T-K32 |      | 20 |    |    |    |     | SPMG07T308                                                                          | TS2511                                                                              | T8                                                                                  | ●     | 335634          | 1650           |
| SMP-125-16-12T-K32 |      | 25 |    |    |    |     | SPMG090408                                                                          | TS3504                                                                              | T15                                                                                 | ●     | 335636          | 1650           |
| SMP-125-18-10T-K32 | 200  | 12 | 40 | 25 | 80 | 2X8 | SPMG140512                                                                          | TS5009                                                                              | T20                                                                                 | ●     | 335638          | 1650           |
| SMP-125-20-10T-K32 |      | 16 |    |    |    |     | SPMG07T308                                                                          | TS2511                                                                              | T8                                                                                  | ●     | 335640          | 1650           |
| SMP-160-12-16T-K40 |      | 18 |    |    |    |     | SPMG090408                                                                          | TS3504                                                                              | T15                                                                                 | ●     | 335642          | 2300           |
| SMP-160-16-16T-K40 |      | 20 |    |    |    |     | SPMG110408                                                                          | TS4006                                                                              | T15                                                                                 | ●     | 335644          | 2300           |
| SMP-160-18-12T-K40 | 200  | 25 | 40 | 25 | 80 | 2X6 | SPMG140512                                                                          | TS5009                                                                              | T20                                                                                 | ●     | 335646          | 2300           |
| SMP-160-20-12T-K40 |      | 16 |    |    |    |     | SPMG090408                                                                          | TS3504                                                                              | T15                                                                                 | ●     | 335648          | 2800           |
| SMP-160-25-12T-K40 |      | 18 |    |    |    |     | SPMG110408                                                                          | TS4006                                                                              | T15                                                                                 | ●     | 335650          | 2800           |
| SMP-200-16-18T-K40 |      | 20 |    |    |    |     | SPMG140512                                                                          | TS5009                                                                              | T20                                                                                 | ●     | 335652          | 2800           |
| SMP-200-18-14T-K40 | 200  | 25 | 40 | 25 | 80 | 2X7 | SPMG050204                                                                          | TS2003                                                                              | T6                                                                                  | ●     | 335654          | 2800           |
| SMP-200-20-14T-K40 |      | 16 |    |    |    |     | SPMG060204                                                                          | TS2202                                                                              | T6                                                                                  | ●     | 335656          | 2800           |
| SMP-200-25-14T-K40 |      | 18 |    |    |    |     | SPMG07T308                                                                          | TS2511                                                                              | T8                                                                                  | ●     | 335658          | 2800           |

## ■ SMP Three Surface Edge End Mill (Cutter Type)



→ Cutting  
Parameters  
: R16  
Accessory  
: P01



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



### ■ MFT MFT Lock teeth cutter bar series

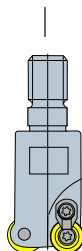
#### 优点

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

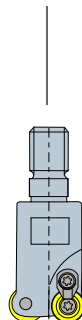
Segment of the free combination and can be changed, coverage from roughing to finishing all the processing requirements, intensive management tool epoch-making significance.



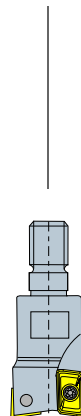
ERM ROUND DOWEL END MILL



TRSM ROUND DOWEL END MILL



BPM RIGHT ANGLE SHOULDER END MILL



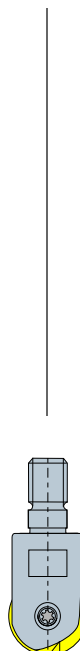
AHUM RIGHT ANGLE SHOULDER END MILL



TJUM BORING & MILLING CUTTER

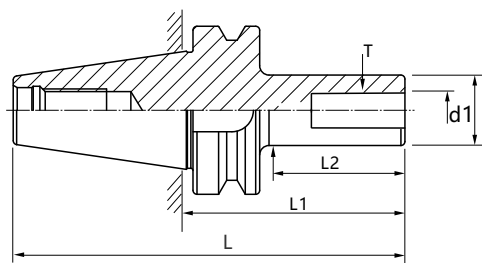


TZ139M COPY END FINE MILL



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

### ■ BT-MFT BT/MFT Screwed end mills holder

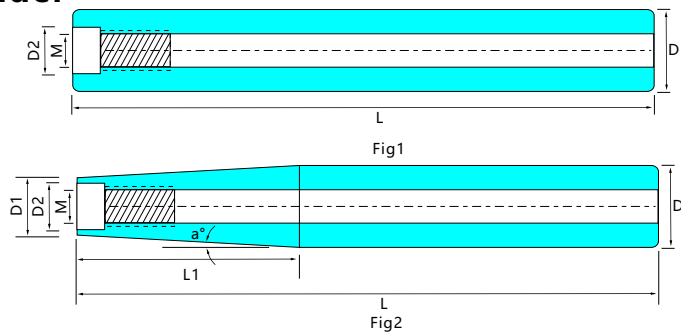


| Type<br>Cat. No    | Size  |     |     |    |     | Weight ( KG ) | Stock | Order<br>Number | Price<br>(RMB) |
|--------------------|-------|-----|-----|----|-----|---------------|-------|-----------------|----------------|
|                    | L     | L1  | L2  | d1 | T   |               |       |                 |                |
| 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            |

■ Beneficial to the entire branch water and seismic hole.

# Milling Arbor And Face Milling Cuttre

## MFL MFL Carbide screwed end mills holder



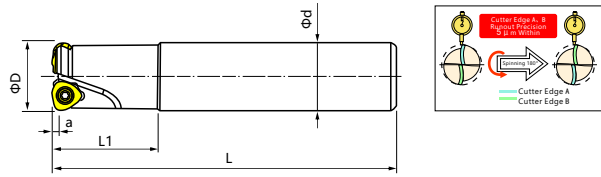
| Order Number | Type Cat. No          | Fig | L   | D    | D1   | L1  | a°    | M        | D2   | (steel) Stock | Price (RMB) | (carbide) Stock | Price (RMB) |
|--------------|-----------------------|-----|-----|------|------|-----|-------|----------|------|---------------|-------------|-----------------|-------------|
| 336200       | MFL06-06-060-M03      | 1   | 60  | 6    | 6    | -   | -     | M3X0.5   | 3.5  | ○             | 400         | ●               | 800         |
| 336202       | MFL06-06-120-M03      | 1   | 120 | 6    | 6    | -   | -     | M3X0.5   | 3.5  | ○             | 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    | -   | -     | M4X0.7   | 4.5  | ○             | 400         | ●               | 990         |
| 336208       | MFL08-08-150-M04      | 1   | 150 | 8    | 8    | -   | -     | M4X0.7   | 4.5  | ○             | 400         | ●               | 1100        |
| 336210       | MFL08-10-150-M04DT60  | 2   | 150 | 10   | 7.8  | 60  | 1°    | M4X0.7   | 4.5  | ○             | 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   | -   | -     | M5X0.8   | 5.5  | ○             | 500         | ●               | 1080        |
| 336216       | MFL10-10-150-M05      | 1   | 150 | 10   | 10   | -   | -     | M5X0.8   | 5.5  | ○             | 500         | ●               | 1290        |
| 336218       | MFL10-12-150-M05DT60  | 2   | 150 | 12   | 9.8  | 60  | 1°    | M5X0.8   | 5.5  | ○             | 550         | ○               | 1450        |
| 336220       | MFL10-20-300-M05DT135 | 2   | 300 | 20   | 9.8  | 135 | 2.15° | M5X0.8   | 5.5  | ○             | 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   | -   | -     | M6X1.0   | 6.5  | ○             | 500         | ●               | 1290        |
| 336226       | MFL12-12-150-M06      | 1   | 150 | 12   | 12   | -   | -     | M6X1.0   | 6.5  | ○             | 500         | ●               | 1480        |
| 336228       | MFL12-12-200-M06      | 1   | 200 | 12   | 12   | -   | -     | M6X1.0   | 6.5  | ○             | 500         | ●               | 1980        |
| 336230       | MFL12-16-150-M06DT70  | 2   | 150 | 16   | 11.8 | 70  | 1.65° | M6X1.0   | 6.5  | ○             | 550         | ○               | 2200        |
| 336232       | MFL12-16-200-M06DT90  | 2   | 200 | 16   | 11.8 | 90  | 1.3°  | M6X1.0   | 6.5  | ○             | 600         | ○               | 2600        |
| 336234       | MFL12-16-250-M06DT115 | 2   | 250 | 16   | 11.8 | 115 | 1°    | M6X1.0   | 6.5  | ○             | 700         | ○               | 3200        |
| 336236       | MFL12-16-300-M06DT135 | 2   | 300 | 16   | 11.8 | 135 | 1.7°  | M6X1.0   | 6.5  | ○             | 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   | -   | -     | M8X1.25  | 8.5  | ○             | 500         | ●               | 2240        |
| 336244       | MFL16-16-200-M08      | 1   | 200 | 16   | 16   | -   | -     | M8X1.25  | 8.5  | ○             | 800         | ●               | 2630        |
| 336246       | MFL16-16-250-M08      | 1   | 250 | 16   | 16   | -   | -     | M8X1.25  | 8.5  | ○             | 900         | ●               | 3130        |
| 336248       | MFL16-20-200-M08DT90  | 2   | 200 | 20   | 15.5 | 90  | 1.3°  | M8X1.25  | 8.5  | ○             | 900         | ○               | 4000        |
| 336250       | MFL16-20-250-M08DT115 | 2   | 250 | 20   | 15.5 | 115 | 1°    | M8X1.25  | 8.5  | ○             | 950         | ○               | 4700        |
| 336252       | MFL16-20-300-M08DT135 | 2   | 300 | 20   | 15.5 | 135 | 0.85° | M8X1.25  | 8.5  | ○             | 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   | -   | -     | M10X1.5  | 10.5 | ○             | 900         | ●               | 3130        |
| 336260       | MFL20-20-200-M10      | 1   | 200 | 20   | 20   | -   | -     | M10X1.5  | 10.5 | ○             | 1100        | ●               | 3950        |
| 336262       | MFL20-20-250-M10      | 1   | 250 | 20   | 20   | -   | -     | M10X1.5  | 10.5 | ○             | 1300        | ●               | 4650        |
| 336264       | MFL20-20-300-M10      | 1   | 300 | 20   | 20   | -   | -     | M10X1.5  | 10.5 | ○             | 1600        | ●               | 5360        |
| 336266       | MFL20-20-400-M10      | 1   | 400 | 20   | 20   | -   | -     | M10X1.5  | 10.5 | ○             | 1800        | ●               | 6200        |
| 336268       | MFL20-25-200-M10DT90  | 2   | 200 | 25   | 19.8 | 90  | 1.6°  | M10X1.5  | 10.5 | ○             | 2000        | ○               | 6800        |
| 336270       | MFL20-25-250-M10DT115 | 2   | 250 | 25   | 19.8 | 115 | 1.25° | M10X1.5  | 10.5 | ○             | 2300        | ○               | 7900        |
| 336272       | MFL20-25-300-M10DT135 | 2   | 300 | 25   | 19.8 | 135 | 1.1°  | M10X1.5  | 10.5 | ○             | 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   | -   | -     | M12X1.75 | 12.5 | ○             | 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   | -   | -     | M12X1.75 | 12.5 | ○             | 1600        | ●               | 5360        |
| 336282       | MFL25-25-200-M12      | 1   | 200 | 25   | 25   | -   | -     | M12X1.75 | 12.5 | ○             | 2000        | ●               | 6700        |
| 336284       | MFL25-25-250-M12      | 1   | 250 | 25   | 25   | -   | -     | M12X1.75 | 12.5 | ○             | 2300        | ●               | 7860        |
| 336286       | MFL25-25-300-M12      | 1   | 300 | 25   | 25   | -   | -     | M12X1.75 | 12.5 | ○             | 2800        | ●               | 9600        |
| 336288       | MFL25-25-350-M12      | 1   | 350 | 25   | 25   | -   | -     | M12X1.75 | 12.5 | ○             | 3000        | ●               | 11200       |
| 336290       | MFL25-32-200-M12DT90  | 2   | 200 | 32   | 24.5 | 90  | 2.3°  | M12X1.75 | 12.5 | ○             | 2600        | ○               | 8500        |
| 336292       | MFL25-32-250-M12DT115 | 2   | 250 | 32   | 24.5 | 115 | 1.75° | M12X1.75 | 12.5 | ○             | 3300        | ○               | 12000       |
| 336294       | MFL25-32-300-M12DT135 | 2   | 300 | 32   | 24.5 | 135 | 1.5°  | M12X1.75 | 12.5 | ○             | 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   | -   | -     | M16X2.0  | 17   | ○             | 2600        | ●               | 8500        |
| 336302       | MFL32-32-250-M16      | 1   | 250 | 32   | 32   | -   | -     | M16X2.0  | 17   | ○             | 3300        | ●               | 11150       |
| 336304       | MFL32-32-300-M16      | 1   | 300 | 32   | 32   | -   | -     | M16X2.0  | 17   | ○             | 4000        | ●               | 13400       |
| 336306       | MFL32-32-350-M16      | 1   | 350 | 32   | 32   | -   | -     | M16X2.0  | 17   | ○             | 4500        | ○               | 15400       |
| 336308       | MFL32-32-400-M16      | 1   | 400 | 32   | 32   | -   | -     | M16X2.0  | 17   | ○             | 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   | -   | -     | M20X2.5  | 21   | ○             | 4500        | ○               | 18000       |
| 336314       | MFL42-42-400-M20      | 1   | 400 | 42   | 42   | -   | -     | M20X2.5  | 21   | ○             | 5000        | ○               | 25000       |
| 336316       | MFL42-42-500-M20      | 1   | 500 | 42   | 42   | -   | -     | M20X2.5  | 21   | ○             | 6000        | ○               | 32000       |



### ■ **AJX** Fast Cutting End Milling



✎ Cutting Parameters : R19-R20  
Accessory : P01



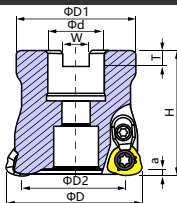
★ The most suitable for large-feed cutting.

| Type<br>Cat. No    | Dimension Size |    |     |    |     | No. of<br>flutes | Insert         | Clamp  | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|--------------------|----------------|----|-----|----|-----|------------------|----------------|--------|--------|--------|-------|-----------------|----------------|----------------|
|                    | D              | d  | L   | L1 | a   |                  |                |        |        |        |       |                 |                |                |
| 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                | JOMW09T320ZDSR | AJX-09 | M4×10  | T15    | ●     | 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                |                |        |        |        | ●     | 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            |

## AJX Fast Cutting Face Milling



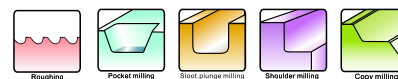
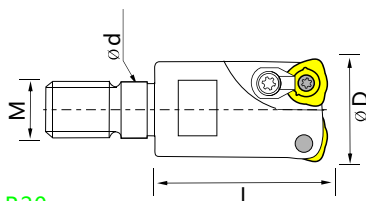
✎ Cutting Parameters : R19-R20  
Accessory : P01



- ★ 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

| Type<br>Cat. No | Dimension Size |    |      |    |    |      |     |     |  |  |  |  | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|----|------|----|----|------|-----|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|-----------------|----------------|----------------|
|                 | D              | D1 | D2   | d  | H  | W    | T   | a   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |       |                 |                |                |
| 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 AJX Super Mill



✎ Cutting Parameters : R19-R20  
Accessory : P01

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

| Type<br>Cat. No | 尺寸 Size |    |      |     | Teeth | Insert             | 压板 Clamp | Screw  | Wrench | Stock | Order Number | Price (RMB) |
|-----------------|---------|----|------|-----|-------|--------------------|----------|--------|--------|-------|--------------|-------------|
|                 | D       | L  | d    | M   |       |                    |          |        |        |       |              |             |
| AJX06R162AM0830 | 16      | 30 | 8.5  | M8  | 2     | JOMW06T215 ZZSR-FT | -        | M2.5X6 | T8     | ●     | 321300       | 150         |
| AJX06R172AM0830 | 17      | 30 | 8.5  | M8  | 2     | JOMW06T215 ZZSR-FT | -        | M2.5X6 | T8     | ●     | 321302       | 150         |
| AJX08R202AM1030 | 20      | 30 | 10.5 | M10 | 2     | JOMW080320 ZZSR-FT | -        | M3X6   | T15    | ●     | 321304       | 160         |
| AJX08R212AM1030 | 21      | 30 | 10.5 | M10 | 2     | JOMW080320 ZZSR-FT | -        | M3X6   | T15    | ●     | 321306       | 160         |
| AJX08R222AM1030 | 22      | 30 | 10.5 | M10 | 2     | JOMW080320 ZZSR-FT | -        | M3X6   | T15    | ●     | 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     | JDMW09T320 ZDSR-JM | AJX09    | M3.5X8 | T15    | ●     | 321312       | 200         |

Applicable for: MITSUBISHI, DIJET

## Used Insert

| Workpiece Material | P Steel | M Stainless Steel | K cast iron | N Nonferrous metal | S Titanium alloy | H High hardness Steel |
|--------------------|---------|-------------------|-------------|--------------------|------------------|-----------------------|
|                    | ●       | ●                 | ●           | ●                  | ●                | ●                     |

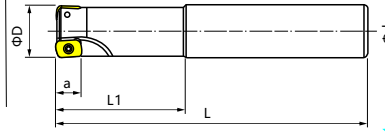
Cutting Shape ( Standard ) :  
● : Stable Cutting ● : General Cutting ✖ : Unstable cutting

| Pic | Type<br>Cat. No.  | Cemented carbide coating |        |        |  |  |  | Shape<br>Insert shape | Size (mm) |     |      |     |     | Order Number |
|-----|-------------------|--------------------------|--------|--------|--|--|--|-----------------------|-----------|-----|------|-----|-----|--------------|
|     |                   | FH7020                   | ZK730Q | ZK69MO |  |  |  |                       | D1        | B3° | S1   | Re  | F1  |              |
|     | JOMW06T215ZZSR-FT | ●                        |        |        |  |  |  |                       | 6.35      | 13° | 2.78 | 1.5 | 1.2 | 321400       |
|     | JOMW080320ZZSR-FT |                          |        |        |  |  |  |                       | 8         | 13° | 3.18 | 2   | 1.4 | 321402       |
|     | JDMW09T320ZDSR-FT |                          |        |        |  |  |  |                       | 9.525     | 15° | 3.97 | 2   | 1.8 | 321404       |
|     | JDMW120420ZDSR-FT |                          |        |        |  |  |  |                       | 12        | 15° | 4.76 | 2   | 2.5 | 321406       |
|     | JDMW140520ZDSR-FT |                          |        |        |  |  |  |                       | 14        | 15° | 5.56 | 2   | 2.8 | 321408       |
|     | JOMT06T215ZZSR-JM |                          |        |        |  |  |  |                       | 6.35      | 13° | 2.78 | 1.5 | 1.2 | 321410       |
|     | JOMT080320ZZSR-JM |                          |        |        |  |  |  |                       | 8         | 13° | 3.18 | 2   | 1.4 | 321412       |
|     | JDMT09T320ZDSR-JM |                          |        |        |  |  |  |                       | 9.525     | 15° | 3.97 | 2   | 1.8 | 321414       |
|     | JDMT120420ZDSR-JM |                          |        |        |  |  |  |                       | 12        | 15° | 4.76 | 2   | 2.5 | 321416       |
|     | JDMT140520ZDSR-JM |                          |        |        |  |  |  |                       | 14        | 15° | 5.56 | 2   | 2.8 | 321418       |
|     | JDMT120420ZDSE-ST |                          |        |        |  |  |  |                       | 12        | 15° | 4.76 | 2   | 2.5 | 321420       |
|     | JDMT140520ZDSR-ST |                          |        |        |  |  |  |                       | 14        | 15° | 5.56 | 2   | 2.8 | 321422       |



**ASR**  
Fast Cutting End Milling

**HITACHI**



✎ Cutting Parameters : R19-R20  
Accessory : P01

★ High feed, high efficiency

| Type<br>Cat. No    | Dimension Size |    |     |     | No. of<br>flutes | Insert                            | Screw                                             | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|--------------------|----------------|----|-----|-----|------------------|-----------------------------------|---------------------------------------------------|--------|-------|-----------------|----------------|----------------|
|                    | D              | d  | L   | L1  |                  |                                   |                                                   |        |       |                 |                |                |
| ASR06R16-16-120-2T | 16             | 16 | 120 | 40  | 2                | EPNW0603TN-8<br>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<br>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<br>EDEW10T3TN-10    | M4×9<br>C 1mm pASR10Y<br>C 1mm p screw<br>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)<br>ED.W13T4TN-10 | M5×10<br>C 1mm pASR13Y<br>C 1mm p screw<br>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            |

Used Insert

| Type<br>Cat. No. | JX8045 | GX2030 | JX1005 | JX1045 | TB6045 | TB6060 | CY250 | GX30 | CH550 | Shape<br>Insert shape | Size(mm) |    |      |        |                | Order Number |
|------------------|--------|--------|--------|--------|--------|--------|-------|------|-------|-----------------------|----------|----|------|--------|----------------|--------------|
|                  |        |        |        |        |        |        |       |      |       |                       | R        | L  | T    | W      | Chip<br>Groove |              |
| EPNW0603TN-8     | ●      | ●      | ●      | ●      |        |        |       |      |       |                       | 8        | 10 | 3.18 | 6.35   | N              | 321600       |
| EPMT0603TN-8     | ●      | ●      | ●      | ●      |        |        |       |      |       |                       | 8        | 10 | 3.18 | 6.35   | Y              | 321602       |
| SDNW1505ZDTN-R15 |        |        |        | ●      | ●      | ●      | ●     | ●    |       |                       | 15       | 15 | 5.56 | 18.875 | N              | 321604       |
| SDMT1505ZDTN-R15 |        |        |        | ●      | ●      | ●      | ●     | ●    |       |                       | 15       | 15 | 5.56 | 18.875 | Y              | 321606       |
| SDMT1505ZDTN-R15 |        |        |        | ●      | ●      | ●      | ●     | ●    | ●     |                       | 15       | 15 | 5.56 | 18.875 | Y              | 321608       |
| SDEW1505ZDTN-R15 |        |        |        | ●      | ●      | ●      | ●     | ●    |       |                       | 15       | 15 | 5.56 | 18.875 | N              | 321610       |

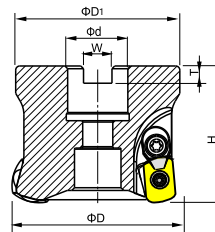
■ Arbor before an overall heat treatment (hardness reached 48 HRC), and then intensive. To avoid secondary heat treatment to make cutter body deformation. So as to ensure the accuracy of the tolerance range and superior rigidity.

## ASR

Fast Cutting Shell End Mill

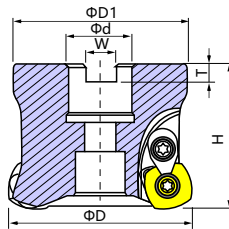
Cutting Parameters :  
R19-R20  
Accessory : P01

HITACHI



## ASF

Fast Cutting Shell End Mill



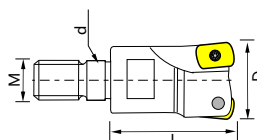
- ★ Double clamping body rigidity
- ★ The most suitable for large-feed cutting
- ★ With standard cooling holes
- ★ 4 for special shaped blade edge angle

| Type<br>Cat. No  | Dimension Size |     |    |    |      |     | Insert                                                   | Clamp   | Screw  | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|------------------|----------------|-----|----|----|------|-----|----------------------------------------------------------|---------|--------|--------|-------|-----------------|----------------|
|                  | D              | D1  | d  | H  | W    | T   |                                                          |         |        |        |       |                 |                |
| ASR06R50-22-4T   | 50             | 47  | 22 | 50 | 10.4 | 6.3 | EPNW0603TN-8<br>EPMT0603TN-8                             |         | M2.5×6 | T8     | ●     | 321700          | 280            |
| ASR06R63-22-4T   | 63             | 60  | 22 | 50 | 10.4 | 6.3 |                                                          |         |        |        |       | 321702          | 350            |
| ASR15R80-27-5T   | 800            | 70  | 27 | 50 | 12.4 | 7   | SDNW1505ZDTN-R15<br>SDMT1505ZDTN-R15<br>SDEW1505ZDTN-R15 | ASRT-15 | M5×12  | T20    | ●     | 321704          | 600            |
| ASR15R100-32-5T  | 100            | 90  | 32 | 50 | 14.4 | 8   |                                                          |         |        |        |       | 321706          | 800            |
| ASR15R125-40-6T  | 125            | 90  | 40 | 50 | 16.4 | 9   |                                                          |         |        |        |       | 321708          | 1000           |
| ASR15R160-40-8T  | 160            | 120 | 40 | 50 | 16.4 | 9   |                                                          |         |        |        |       | 321710          | 1200           |
| ASR15R200-60-8T  | 200            | 120 | 60 | 50 | 25.7 | 14  |                                                          |         |        |        |       | 321712          | 1600           |
| ASR15R200-60-10T | 200            | 120 | 60 | 50 | 25.7 | 14  |                                                          |         |        |        |       | 321714          | 1800           |

## ASRM

ASRM Super Radius Mill

Cutting Parameters : R19-R20  
Accessory : P01



| Type<br>Cat. No | 尺 寸 Size |    |      |     | Teeth | Insert<br> | Screw<br> | Wrench<br> | Stock | Order<br>Number | Price<br>(RMB) |
|-----------------|----------|----|------|-----|-------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------|-----------------|----------------|
|                 | D        | L  | d    | M   |       |                                                                                               |                                                                                               |                                                                                                 |       |                 |                |
| ASRM2016R-2     | 16       | 25 | 8.5  | M8  | 2     | EPNW0603TN-8<br>EPMT0603TN-8<br>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<br>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<br>EDEW10T3TN-10                                                                | M4×9<br>压板ASR10Y<br>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            |

Applicable for: HITACHI



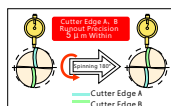
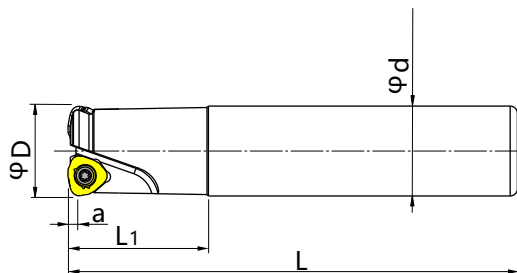
WEB: <http://www.mzg.tw>

■ **SKS**

**SKS High feedrate end mill**



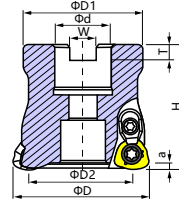
✎ Cutting Parameters : R19-R20  
Accessory : P01



★ The most suitable for large-feed cutting.

| Type<br>Cat. No    | Dimension Size |    |     |    |     | No. of<br>flutes | Insert     | Clamp  | Screw              | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|--------------------|----------------|----|-----|----|-----|------------------|------------|--------|--------------------|--------|-------|-----------------|----------------|----------------|
|                    | D              | d  | L   | L1 | a   |                  |            |        |                    |        |       |                 |                |                |
| 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          | -              | 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          | -              | 250            |
| SKS06R25-25-140-2T | 25             | 25 | 140 | 30 | 2   | 2                | WDMW06T320 | SKS-06 | M4x10              | T15    | ●     | 321922          | 233            | 240            |
| SKS06R25-25-160-2T | 25             | 25 | 160 | 30 | 2   | 2                |            |        |                    |        |       | 321924          | -              | 240            |
| SKS06R25-25-200-2T | 25             | 25 | 200 | 40 | 2   | 2                |            |        |                    |        |       | 321926          | 267            | 260            |
| SKS06R25-25-250-2T | 25             | 25 | 250 | 50 | 2   | 2                |            |        |                    |        |       | 321928          | -              | 320            |
| SKS06R25-25-300-2T | 25             | 25 | 300 | 60 | 2   | 2                |            |        |                    |        |       | 321930          | -              | 380            |
| SKS06R25-26-140-2T | 26             | 25 | 140 | 30 | 2   | 2                |            |        |                    |        |       | 321932          | 233            | 240            |
| SKS06R25-26-160-2T | 26             | 25 | 160 | 30 | 2   | 2                |            |        |                    |        |       | 321934          | -              | 240            |
| SKS06R25-26-200-2T | 26             | 25 | 200 | 40 | 2   | 2                |            |        |                    |        |       | 321936          | 267            | 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          | 267            | 260            |
| SKS06R32-35-200-3T | 35             | 32 | 200 | 40 | 2   | 3                |            |        |                    |        |       | 321946          | 317            | 330            |
| SKS06R32-35-250-3T | 35             | 32 | 250 | 50 | 2   | 3                |            |        |                    |        |       | 321948          | 367            | 380            |
| SKS06R32-40-150-3T | 40             | 32 | 150 | 30 | 2   | 3                |            |        |                    |        |       | 321950          | 300            | 280            |
| SKS06R32-40-200-3T | 40             | 32 | 200 | 40 | 2   | 3                |            |        |                    |        |       | 321952          | 367            | 350            |
| SKS06R32-40-250-3T | 40             | 32 | 250 | 50 | 2   | 3                |            |        |                    |        |       | 321954          | 433            | 420            |
| SKS08R32-32-160-2T | 32             | 32 | 160 | 40 | 2   | 2                | WDMW080520 | SKS-08 | M4.5x10<br>/ 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            |

**SKS**  
Fast Cutting Face Milling



✎ Cutting Parameters : R19-R20  
Accessory : P01

- ★ 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

| Type<br>Cat. No | Dimension Size |    |    |    |      |     | Insert        | Clamp  | Screw              | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|----|----|----|------|-----|---------------|--------|--------------------|--------|-------|-----------------|----------------|----------------|
|                 | D              | D1 | d  | H  | W    | T   |               |        |                    |        |       |                 |                |                |
| SKS08R50-22-4T  | 50             | 47 | 22 | 50 | 10.4 | 6.3 | WDMW080520ZTR | SKS-08 | M4.5×10.5<br>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 | WDMT10X620ZTR | SKS-10 | M4.5×10.5<br>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            |

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

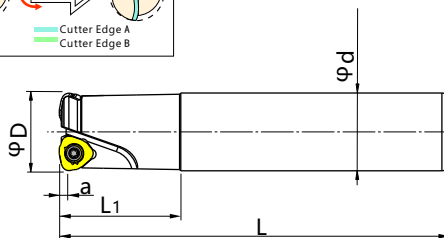
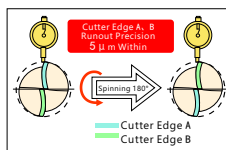
Used **Insert**

| Type<br>Cat. No.                        | JC5015 | JC5040 | JC600 | JC730U | JC8015 | Shape<br>Insert shape | Size (mm) |     |      |     | Order Number |
|-----------------------------------------|--------|--------|-------|--------|--------|-----------------------|-----------|-----|------|-----|--------------|
|                                         |        |        |       |        |        |                       | A         | B   | T    | R   |              |
| WOMW04T215<br>050316<br>06T320          | ●      |        | ●     |        | ●      |                       | 6.5       | 0.8 | 2.8  | 1.5 | 322200       |
|                                         |        |        |       |        |        |                       | 8         | 1.0 | 3.2  | 1.6 | 322202       |
|                                         |        |        |       |        |        |                       | 10        | 1.2 | 3.97 | 2   | 322204       |
| WDMW06T320ZTR<br>080520ZTR<br>10X620ZTR | ●      | ●      |       |        | ●      |                       | 10        | 1.2 | 3.97 | 2   | 322206       |
|                                         |        |        |       |        |        |                       | 13        | 1.5 | 5.5  | 2   | 322208       |
|                                         |        |        |       |        |        |                       | 16        | 2.0 | 6    | 2   | 322210       |
| WDMT080520ZER<br>10X620ZER              |        |        | ●     | ●      |        |                       | 13        | 1.5 | 5.5  | 2   | 322212       |
|                                         |        |        |       |        |        |                       | 16        | 2.0 | 6    | 2   | 322214       |
| WDHW06T320ZTR<br>080520ZTR              | ●      | ●      |       |        |        |                       | 10        | 1.2 | 3.97 | 2   | 322216       |
|                                         |        |        |       |        |        |                       | 13        | 1.5 | 5.5  | 2   | 322208       |



### TXP

#### TXP High feedrate end mill



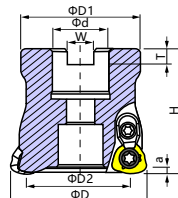
Cutting Parameters : R19-R20  
Accessory : P01

★ The most suitable for large-feed cutting.

| Type<br>Cat. No    | No. of<br>flutes | Size |    |     |    |   |               | Insert | Clamp | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) |
|--------------------|------------------|------|----|-----|----|---|---------------|--------|-------|-------|--------|-------|-----------------|----------------|
|                    |                  | D    | d  | L   | L1 | a |               |        |       |       |        |       |                 |                |
| TXP06R25-25-160-2T | 2                | 25   | 25 | 160 | 80 | 2 |               |        |       |       |        | ●     | 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 | WPMW06X415ZPR | EXP-06 | M4X10 | T15   |        | ●     | 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

Fast Cutting Face Milling



- ★ 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

Cutting Parameters : R19-R20  
Accessory : P01

| Type<br>Cat. No | Dimension Size |    |      |    |    |      |     |     | Insert        | Clamp  | Screw | Wrench | Stock | Order<br>Number | Price<br>(RMB) | Price<br>(RMB) |
|-----------------|----------------|----|------|----|----|------|-----|-----|---------------|--------|-------|--------|-------|-----------------|----------------|----------------|
|                 | D              | D1 | D2   | d  | H  | W    | T   | a   |               |        |       |        |       |                 |                |                |
| 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 |               |        |       |        | ●     | 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 | WPMT080615ZSR | TXP-08 | M5×11 | T20    | ●     | 322406          | 483            | 600            |
| TXP08R100-32-6T | 100            | 90 | 88.6 | 22 | 50 | 14.4 | 8   | 1.5 |               |        |       |        | ●     | 322408          | 700            | 800            |

Used Insert

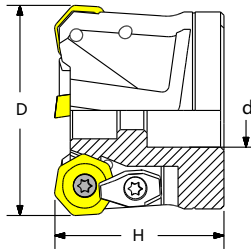
| Type<br>Cat. No. | AH120 | AH140 | T3030 | T1015 | Shape<br>Insert shape | Size (mm) |       |      |     | Order Number |
|------------------|-------|-------|-------|-------|-----------------------|-----------|-------|------|-----|--------------|
|                  |       |       |       |       |                       | A         | B     | T    | R   |              |
| WPMW06X415ZPR    | ●     | ●     | ●     | ●     |                       | 6         | 9.525 | 4.2  | 1.5 | 322500       |
| WPMT06X415ZPR-ML | ●     | ●     | ●     | ●     |                       | 6         | 9.525 | 4.2  | 1.5 | 322502       |
| 06X415ZPR-MH     | ●     | ●     | ●     | ●     |                       | 6         | 9.525 | 4.2  | 1.5 | 322504       |
| WPMT080615ZPR    | ●     | ●     | ●     | ●     |                       | 8         | 12.87 | 6.35 | 1.5 | 322506       |
| 080615ZPR-ML     | ●     | ●     | ●     | ●     |                       | 8         | 12.87 | 6.35 | 1.5 | 322508       |
| 080615ZPR-MH     | ●     | ●     | ●     | ●     |                       | 8         | 12.87 | 6.35 | 1.5 | 322510       |

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

# Milling Arbor And Face Milling Cuttre

## ■ HEP HEP series seven angle face milling cutter

✎ Cutting Parameters :  
R19-R20  
Accessory : P01

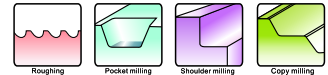
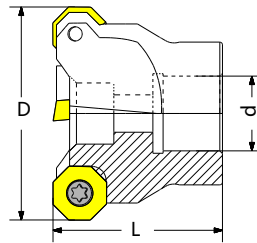


★ High feed, seven angle good economy!

| Type<br>Cat. No | Blade<br>number | D<br>Diameter | d<br>Inner hole | H<br>Height | Face<br>diameter | Weight | Insert     | Stock | Order<br>Number | 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  |

## ■ OD OD octagonal cutter

✎ Cutting Parameters :  
R19-R20  
Accessory : P01

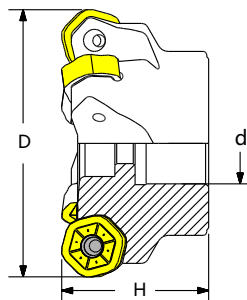


★ Using the 15 degree angle blade  
★ High feed low cutting resistance  
★ The octagonal knife tablets, the economy is good

| Type<br>Cat. No | Diameter | Inside diameter | Long | Blade number | Insert     | Stock | Order<br>Number | Price<br>(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            |

## ■ KSHR KSHR 12 angle cutter

✎ Cutting Parameters :  
R19-R20  
Accessory : P01

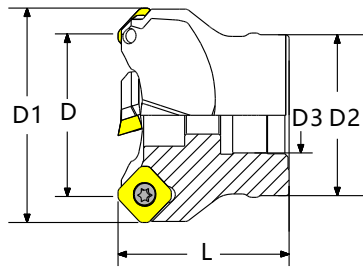


★ Each blade 12 cutting edges  
★ Internal cooling standard  
★ The cutting easy

| Type<br>Cat. No    | Blade<br>number | Diameter | Inner hole | Height | Face<br>diameter | Weight | Insert     | Stock | Order<br>Number | Price<br>(RMB) |
|--------------------|-----------------|----------|------------|--------|------------------|--------|------------|-------|-----------------|----------------|
| KSHR63A06RS45HN09  | 6               | 74       | 22         | 40     | 63               | 0.56   | HNPJ0905AN | ●     | 322800          | 730            |
| KSHR80A06RS45HN09  | 6               | 91       | 27         | 50     | 80               | 1.11   |            | ●     | 322802          | 900            |
| KSHR100B08RS45HN09 | 8               | 111      | 32         | 50     | 100              | 1.68   |            | ●     | 322804          | 1400           |
| KSHR125B10RS45HN09 | 10              | 135.9    | 40         | 63     | 125              | 2.77   |            | ●     | 322806          | 1750           |
| KSHR160C10RS45HN09 | 10              | 171      | 40         | 63     | 160              | 4.56   |            | ●     | 322808          | 2350           |
| KSHR160C12RS45HN09 | 12              | 171      | 40         | 63     | 160              | 4.7    |            | ●     | 322810          | 2600           |
| KSHR200C16RS45HN09 | 16              | 211      | 60         | 63     | 200              | 6.43   |            | ●     | 322812          | 3200           |
| KSHR250C20RS45HN09 | 20              | 261      | 60         | 63     | 250              | 9.93   |            | ●     | 322814          | 4150           |



### ASX445 ASX445 cutter



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

| Cat. No             | Blade number | D1<br>Largest diameter | D<br>Cutting size | D2<br>End face diameter | D3<br>Inside diameter | L<br>Long | 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            | 113                    | 100               | 76                      | 32                    | 50        |          | ●     | 331218       | 700         |
| ASX445R/L100-32-5T  | 5            |                        |                   |                         |                       |           |          | ●     | 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           | 173                    | 160               | 100                     | 40                    | 63        |          | ●     | 331234       | 1200        |
| ASX445R/L160-40-7T  | 7            |                        |                   |                         |                       |           |          | ●     | 331236       | 1500        |
| ASX445R/L160-40-10T | 10           |                        |                   |                         |                       |           |          | ●     | 331238       | 1500        |
| ASX445R/L160-40-16T | 16           | 212.9                  | 200               | 175                     | 40                    | 63        |          | ●     | 331240       | 2000        |
| ASX445R/L200-40-8T  | 8            |                        |                   |                         |                       |           |          | ●     | 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; Shim Screw : MDS5035; Wrench : PL35; Clamping Screw : MS3512B; Clamping Wrench : T15

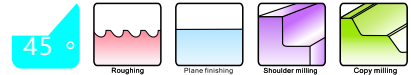
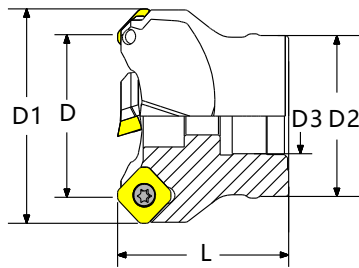
### Recommend Cutting Conditions

| Workpiece Material<br>Cat. No. | Hardness                                                                                       | Material Balde No. | Cutting Speed<br>( m/min ) | Precision-Light                |                               | Light-Heavy                    |                               | Medium-Heavy                   |                               |
|--------------------------------|------------------------------------------------------------------------------------------------|--------------------|----------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|
|                                |                                                                                                |                    |                            | Feed Per Blade<br>( mm/tooth ) | Corresponding<br>Chip Breaker | Feed Per Blade<br>( mm/tooth ) | Corresponding<br>Chip Breaker | Feed Per Blade<br>( mm/tooth ) | Corresponding<br>Chip Breaker |
| P                              | Mild Steel<br>( SS400 , S10C... )                                                              | Q4696              | 280(210-350)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | ZK730Q             | 250(200-300)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | ZK96MO             | 230(180-280)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | HW8383             | 180(130-230)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | -                              | -                             |
|                                | Carbon Steel , Alloy Steel<br>( S45C , SCM440... )                                             | Q4696              | 250(200-300)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | ZK730Q             | 220(170-270)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | ZK96MO             | 200(150-250)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | HW8383             | 150(120-180)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | -                              | -                             |
|                                | Stainless Steel<br>( SUS304... )                                                               | Q4696              | 180(130-230)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | ZK730Q             | 140(100-180)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | ZK96MO             | 120(80-160)                | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | HW8383             | 100(80-120)                | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | -                              | -                             |
| M                              | Tensile Strength<br>≤450MPa                                                                    | GD3656             | 200(150-250)               | -                              | -                             | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH/FT                         |
|                                |                                                                                                | ZK730Q             | 180(130-250)               | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH                            |
|                                |                                                                                                | GD3656             | 110(80-150)                | -                              | -                             | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | JH/FT                         |
| N                              | Aluminium Alloy                                                                                | JOR76              | 300-                       | 0.15(0.1-0.2)                  | JP                            | 0.2(0.1-0.3)                   | JP                            | 0.3(0.2-0.4)                   | JP                            |
| S                              | Heat-resisting Alloy<br>(Nickel chromium iron/Heat-resisting<br>Corrosion Resistance Alloy...) | ZK730Q             | 40(20-50)                  | 0.15(0.1-0.2)                  | JL                            | 0.2(0.1-0.3)                   | JM                            | 0.3(0.2-0.4)                   | -                             |
| H                              | High hardness Steel                                                                            | HRC40-55           | 80(60-100)                 | 0.1(0.05-0.15)                 | JL                            | 0.15(0.1-0.2)                  | JM                            | 0.2(0.1-0.3)                   | JH                            |

● Tool Speed ( min<sup>-1</sup> ) = ( 1000xCutting Speed ) ÷ ( 3.14xCutting Edge Diameter ) ● Table Feed ( mm/min ) = Feed Per Blade x Cutting Tool x Tool Speed



## R245 R245 cutter



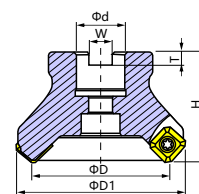
- ★ Before the big angle blade, cutting load
- ★ A hard alloy cutter pad, knife cutting better rigidity

| Cat. No         | Blade number | D1 Largest diameter | D Cutting size | D2 End face diameter | D3 Inside diameter | L Long | Insert    | Stock | Order Number | Price (RMB) |
|-----------------|--------------|---------------------|----------------|----------------------|--------------------|--------|-----------|-------|--------------|-------------|
| R245R63-22-5T   | 5            | 76                  | 63             | 47                   | 22                 | 50     | R245-12T3 | ●     | 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        |

## Used Insert

| Cat. No.        | Used          | Cemented carbide coating |        |        |        |        |       | Shape<br>Insert shape | Size (mm) |      |     |     |             | Order Number |
|-----------------|---------------|--------------------------|--------|--------|--------|--------|-------|-----------------------|-----------|------|-----|-----|-------------|--------------|
|                 |               | Q4696                    | GD3656 | ZK730Q | ZK96MO | HW8383 | JOR76 |                       | D1        | S1   | F1  | Re  | Chip Groove |              |
| SEET13T3AGEN-JL | 精-Light       | ●                        | ●      | ●      | ●      | ●      | ●     |                       | 13.4      | 3.97 | 1.9 | 1.5 | Y           | 331400       |
| SEMT13T3AGSN-JM | 轻-Heavy       | ●                        | ●      | ●      | ●      | ●      | ●     |                       | 13.4      | 3.97 | 1.9 | 1.5 | Y           | 331402       |
| SEMT13T3AGSN-JH | 中-Heavy       | ●                        | ●      | ●      | ●      | ●      | ●     |                       | 13.4      | 3.97 | 1.9 | 1.5 | Y           | 331404       |
| SEMT13T3AGSN-FT | 粗-cast iron   | ●                        | ●      | ●      | ●      | ●      | ●     |                       | 13.4      | 3.97 | 1.9 | 1.5 | Y           | 331406       |
| SEGT13T3AGFN-JP | 粗-Aluminum 加工 | ●                        | ●      | ●      | ●      | ●      | ●     |                       | 13.4      | 3.97 | 2.2 | -   | Y           | 331408       |

## KM-45° Face Milling



- ★ 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

Cutting Parameters : R19-R20  
Accessory : P01

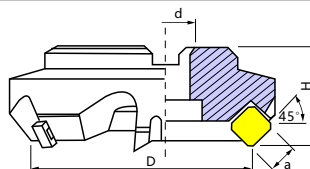
| Type<br>Cat. No   | Dimension Size |     |       |    |      |     | Insert | Screw | Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|-------------------|----------------|-----|-------|----|------|-----|--------|-------|--------|-------|--------------|-------------|-------------|
| KM12R50-22-4T     | 50             | 64  | 22    | 50 | 10.4 | 6.3 |        |       |        | ●     | 331500       | 207         | 240         |
| KM12R63-22-4T     | 63             | 77  | 22    | 50 | 10.4 | 6.3 |        |       |        | ●     | 331502       | 250         | 280         |
| KM12R80-27-5T     | 80             | 94  | 27    | 50 | 12.4 | 7   |        |       |        | ●     | 331504       | 333         | 400         |
| KM12R100-32-5T    | 100            | 114 | 32    | 50 | 14.4 | 8   |        |       |        | ●     | 331506       | 533         | 600         |
| KM12R125-40-6T    | 125            | 139 | 40    | 63 | 16.4 | 9   |        |       |        | ●     | 331508       | 833         | 750         |
| KM12R160-40-6T    | 160            | 174 | 40    | 63 | 16.4 | 9   |        |       |        | ●     | 331510       | 933         | 1150        |
| KM12R200-60-8T    | 200            | 210 | 60    | 63 | 25.7 | 14  |        |       |        | ●     | 331512       | 2000        | 1600        |
| KM12R250-60-10T   | 250            | 260 | 60    | 63 | 25.7 | 14  |        |       |        | ●     | 331514       | 2667        | 2100        |
| KM12R300-60-12T   | 300            | 310 | 60    | 65 | 25.7 | 14  |        |       |        | ●     | 331516       | 3333        | -           |
| KM12R50-25.4-4T   | 50             | 64  | 25.4  | 50 | 10   | 6   |        |       |        | ●     | 331518       | 207         | -           |
| KM12R63-25.4-4T   | 63             | 77  | 25.4  | 50 | 10   | 6   |        |       |        | ●     | 331520       | 250         | 280         |
| KM12R80-25.4-5T   | 80             | 94  | 25.4  | 50 | 10   | 6   |        |       |        | ●     | 331522       | 333         | 400         |
| KM12R100-31.75-5T | 100            | 114 | 31.75 | 50 | 13   | 8   |        |       |        | ●     | 331524       | 533         | 600         |

## Used Insert

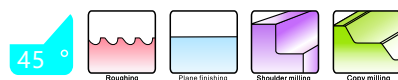
| Type<br>Cat. No. | WAP 25 | WAP 35 | WTP 35 | WXP 45 | WPM | WXM 35 | WAK 15 | WAK 25 | WKM | WK 10 | P201F | HT01 | Shape<br>Insert shape | Size (mm) |      |             | Order Number |
|------------------|--------|--------|--------|--------|-----|--------|--------|--------|-----|-------|-------|------|-----------------------|-----------|------|-------------|--------------|
| SEHT1204AFN      | ●      | ●      | ●      | ●      | ●   | ●      | ●      | ●      | ●   | ●     | ●     | ●    |                       | D1        | S1   | Chip Groove | 331600       |
| 1204AFN-K88      | ●      | ●      | ●      | ●      | ●   | ●      | ●      | ●      | ●   | ●     | ●     | ●    |                       | 12.7      | 4.76 | have        | 331602       |
| SEHW1204AFN      | ●      | ●      | ●      | ●      | ●   | ●      | ●      | ●      | ●   | ●     | ●     | ●    |                       | 12.7      | 4.76 | no          | 331604       |
| SEHT1204AFFN     | ●      | ●      | ●      | ●      | ●   | ●      | ●      | ●      | ●   | ●     | ●     | ●    |                       | 12.7      | 4.76 | no          | 331606       |



### SD45° Face Milling

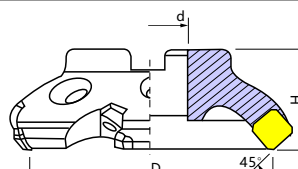


- ★ Using the blade angle is 15°
- ★ High-rigidity alloy knife pad.



| Type<br>Cat. No   | Dimension Size |        |         | Number T | Blade Insert | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|----------------|--------|---------|----------|--------------|-------|-----------------|----------------|
|                   | External D     | Hole d | Hight H |          |              |       |                 |                |
| SD445R/L03-25.4   | 80             | 25.4   | 55      | 5        |              | ●     | 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        |              | ●     | 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° Face Milling

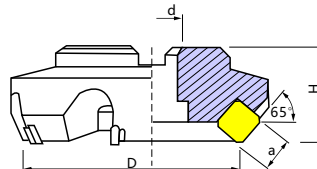


- ★ Using the blade angle is 20°
- ★ Large front-edge-shaped
- ★ High-rigidity alloy knife pad.

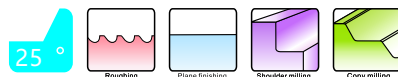


| Type<br>Cat. No   | Dimension Size |        |         | Number T | Blade Insert | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|----------------|--------|---------|----------|--------------|-------|-----------------|----------------|
|                   | External D     | Hole d | Hight H |          |              |       |                 |                |
| SE545R/L03-25.4   | 80             | 25.4   | 50      | 5        |              | ●     | 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/L03-22     | 63             | 22     | 50      | 4        |              | ●     | 331814          | 850            |
| SE445R/L03-25.4   | 63             | 25.4   | 50      | 4        |              | ●     | 331816          | 850            |
| SE445R/L04-31.75  | 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° Face Milling



- ★ Using the blade angle is 11°
- ★ High-rigidity alloy knife pad.

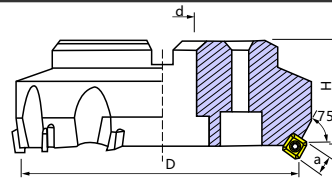


| Type<br>Cat. No   | Dimension Size |        |         | Number T | Blade Insert | Stock | Order<br>Number | Price<br>(RMB) |
|-------------------|----------------|--------|---------|----------|--------------|-------|-----------------|----------------|
|                   | External D     | Hole d | Hight H |          |              |       |                 |                |
| SP435R/L03-25.4   | 80             | 25.4   | 55      | 5        |              | ●     | 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        |              | ●     | 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           |

# Milling Arbor And Face Milling Cuttre

■ **FP75°**  
Face Milling

**MITSUBISHI**  
MITSUBISHI MATERIALS



★ Using the blade angle is 11°  
★ High-rigidity alloy knife pad.



| Type           | Dimension Size |        |         | Number T | Blade Insert | Stock | Order Number | Price (RMB) |
|----------------|----------------|--------|---------|----------|--------------|-------|--------------|-------------|
| Cat. No        | External D     | Hole d | Hight H |          |              |       |              |             |
| FPR/L03-25.4   | 80             | 25.4   | 55      | 5        |              | ●     | 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        |

Used **Insert**

| Workpiece Material | P     | M               | K         | N                | S              | H                   |
|--------------------|-------|-----------------|-----------|------------------|----------------|---------------------|
|                    | Steel | Stainless Steel | cast iron | Nonferrous metal | Titanium alloy | High hardness Steel |

Cutting form (Standard) :  
● :Stable Cutting ● :General Cutting ✱ :Unstable Cutting

| Cat. No.        | Used | Cemented carbide coating |        |        |      |        |        |        | Shape<br>Insert shape | Size (mm) |      |     |     |             | Order Number |
|-----------------|------|--------------------------|--------|--------|------|--------|--------|--------|-----------------------|-----------|------|-----|-----|-------------|--------------|
|                 |      | Q4696                    | GD3666 | ZK730Q | ZN60 | HW5353 | HW8383 | TOR560 |                       | D1        | S1   | F1  | Re  | Chip Groove |              |
| SDKN1203AEN     |      | ●                        |        | ●      |      | ●      |        | ●      |                       | 12.7      | 3.18 | 1.2 | -   | 无           | 332200       |
| SDKN1203AETN    |      |                          |        |        |      |        |        |        |                       | 12.7      | 3.18 | 1.7 | -   | 无           | 332202       |
| SDKN1504AETN    |      |                          |        |        |      |        |        |        |                       | 15.875    | 4.76 | 1.7 | -   | 无           | 332204       |
| SEEN1203AFTN1   |      |                          |        |        |      | ●      | ●      |        |                       | 12.7      | 3.18 | 1.4 | 1.0 | 无           | 332206       |
| SEKN1203AFTN1   |      |                          |        |        |      |        |        | ●      |                       | 12.7      | 3.18 | 1.4 | -   | 无           | 332208       |
| SEER1203AFEN-JS |      | ●                        | ●      | ●      |      |        |        |        |                       | 12.7      | 3.18 | 1.4 | 1.0 | 有           | 332210       |
| SEEN1504AFTN1   |      |                          |        |        |      | ●      | ●      |        |                       | 15.875    | 4.76 | 1.4 | 1.0 | 无           | 332212       |
| SEKN1504AFTN1   |      |                          |        |        |      |        |        | ●      |                       | 15.875    | 4.76 | 1.4 | -   | 无           | 332214       |
| SEER1504AFEN-JS |      | ●                        | ●      | ●      |      |        |        |        |                       | 15.875    | 4.76 | 1.4 | 1.0 | 有           | 332216       |
| SPKN1203EDR     |      | ●                        | ●      | ●      |      | ●      |        | ●      |                       | 12.7      | 3.18 | 1.4 | -   | 无           | 332218       |
| SPER1203EEER-JS |      |                          | ●      |        |      |        |        |        |                       | 12.7      | 3.18 | 1.4 | -   | 有           | 332220       |
| SPMN120304      |      |                          |        | ●      |      |        |        | ●      |                       | 12.7      | 3.18 | -   | 0.4 | 无           | 332222       |
| SPMN120308      |      |                          |        |        |      |        |        |        |                       | 12.7      | 3.18 | -   | 0.8 | 无           | 332224       |
| SPMN120412      |      | ●                        | ●      |        |      |        |        | ●      |                       | 12.7      | 3.18 | -   | 1.2 | 无           | 332226       |

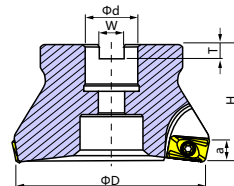
## Recommend Cutting Conditions

- Tool Speed (min<sup>-1</sup>) = ( 1000xCutting Speed ) ÷ ( 3.14xCutting Tool Diameter )
- Table Feed ( mm/min ) = Feed Per BladexToolxTool Speed

| Workpiece Material<br>Cat. No.                         | Hardness  | Material<br>Balde No. | Speed<br>( m/min ) | Each edge feed<br>( mm/tooth ) |
|--------------------------------------------------------|-----------|-----------------------|--------------------|--------------------------------|
| P Mild Steel<br>( SS400 , S10C.. )                     | ≤ HB180   | Q4696                 | 200(160-250)       | 0.2(0.1-0.3)                   |
|                                                        |           | ZK730Q                | 180(100-250)       |                                |
|                                                        |           | HW8383                | 140(80-200)        |                                |
| M Carbon Steel , Alloy Steel<br>( S45C , SCM440.. )    | HB180-280 | Q4696                 | 200(160-250)       | 0.2(0.1-0.3)                   |
|                                                        |           | ZK730Q                | 180(100-250)       |                                |
|                                                        |           | HW8383                | 140(80-200)        |                                |
| K Cast iron, Nodular Cast iron<br>( FCD250, FCD400.. ) | HB280-350 | ZK730Q                | 120(80-160)        | 0.15(0.1-0.2)                  |
|                                                        |           | GD3656                | 150(100-200)       |                                |
|                                                        |           | ZK730Q                | 175(100-250)       |                                |
| N Aluminium alloy                                      | ≤ HB270   | GD3656                | 175(100-250)       | 0.2(0.1-0.3)                   |
|                                                        |           | ZK730Q                | 160(100-220)       |                                |
|                                                        |           | JOR76                 | 650(300-1000)      | 0.12(0.05-0.2)                 |

■ **RAP-75°**  
Face Milling

**MITSUBISHI**  
MITSUBISHI MATERIALS



★ Abandoned the use of APMT1604 blade, cost savings



| Type              | Dimension Size |      |    |      |     |     | Insert         | Screw | Wrench | Stock | Order Number | Price (RMB) | Price (RMB) |
|-------------------|----------------|------|----|------|-----|-----|----------------|-------|--------|-------|--------------|-------------|-------------|
| Cat. No           | D              | d    | H  | W    | T   | a   |                |       |        |       |              |             |             |
| 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        |



WEB:<http://www.mzg.tw>

D50

### SEC- DGC(M/F)13000R(S)

SEC-Sumi Dual Mill DGC(M/F) 13000R(S) Type

### General cutting of steel and cast iron

|            |                  |      |
|------------|------------------|------|
| Rake angle | Radius direction | -10° |
|            | Axial direction  | -5°  |

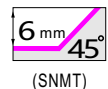


Fig1

Fig2

Fig3

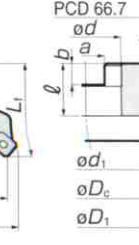
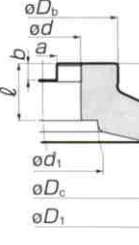
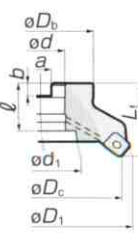
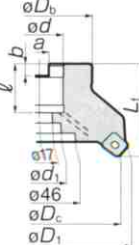
Fig4

Fig5

Fig6



Cutter body  
(standard type)



| Type        | Stock | Dimension (mm) |     |     |           |        |      |     |      |      |    | Blade number | Weight (kg) | Fig    | Order Number | Price |
|-------------|-------|----------------|-----|-----|-----------|--------|------|-----|------|------|----|--------------|-------------|--------|--------------|-------|
|             |       | φDc            | φD1 | φDb | Lf        | φd     | a    | b   | ℓ    | φd1  |    |              |             |        |              |       |
| DGC 13040RS | ●     | 40 (42.9)      | 54  | 36  | 40(38.44) | 16     | 8.4  | 5.6 | 18   | 13.5 | 3  | 0.3          | 1           | 337100 | 0.3          |       |
| 13050RS     | ●     | 50 (52.9)      | 64  | 40  | 40(38.44) | 22     | 10.4 | 6.3 | 20   | 18   | 3  | 0.4          | 1           | 337102 | 0.5          |       |
| 13063RS     | ●     | 63 (65.9)      | 77  | 50  | 40(38.44) | 22     | 10.4 | 6.3 | 20   | 18   | 4  | 0.5          | 1           | 337104 | 1.2          |       |
| 13080RS     | ●     | 80 (82.9)      | 94  | 60  | 50(48.44) | 27     | 12.4 | 7   | 25   | 20   | 4  | 1.2          | 1           | 337106 | 1.6          |       |
| 13100RS     | ●     | 100 (102.9)    | 114 | 70  | 50(48.44) | 32     | 14.4 | 8.5 | 32   | 46   | 5  | 1.6          | 3           | 337108 | 2.8          |       |
| 13125RS     | ●     | 125 (127.9)    | 139 | 80  | 63(61.44) | 40     | 16.4 | 9.5 | 29   | 52   | 6  | 2.8          | 1           | 337110 | 4.5          |       |
| 13160RS     | ●     | 160 (162.9)    | 174 | 130 | 63(61.44) | 40     | 16.4 | 9.5 | 29   | 88   | 7  | 4.5          | 5           | 337112 | 7.1          |       |
| 13200RS     | ●     | 200 (202.9)    | 214 | 150 | 63(61.44) | 60     | 25.7 | 14  | 35   | 130  | 8  | 7.1          | 6           | 337114 | 11.2         |       |
| 13250RS     | ●     | 250 (252.9)    | 264 | 190 | 63(61.44) | 60     | 25.7 | 14  | 35   | 160  | 10 | 11.2         | 6           | 337116 | 1.2          |       |
| DGC 13080R  | ●     | 80 (82.9)      | 94  | 60  | 50(48.44) | 25.4   | 9.5  | 6   | 25   | 20   | 4  | 1.2          | 1           | 337118 | 2.2          |       |
| 13100R      | ●     | 100 (102.9)    | 114 | 70  | 63(61.44) | 31.75  | 12.7 | 8   | 32.5 | 28   | 5  | 2.2          | 2           | 337120 | 2.8          |       |
| 13125R      | ●     | 125 (127.9)    | 139 | 80  | 63(61.44) | 38.1   | 15.9 | 10  | 35.5 | 55   | 6  | 2.8          | 1           | 337122 | 4.5          |       |
| 13160R      | ●     | 160 (162.9)    | 174 | 100 | 63(61.44) | 50.8   | 19   | 11  | 38   | 72   | 7  | 4.5          | 4           | 337124 | 7.1          |       |
| 13200R      | ●     | 200 (202.9)    | 214 | 150 | 63(61.44) | 47.625 | 25.4 | 14  | 35   | 130  | 8  | 7.1          | 6           | 337126 | 11.2         |       |
| 1325R       | ●     | 250 (252.9)    | 264 | 190 | 63(61.44) | 47.625 | 25.4 | 14  | 35   | 150  | 10 | 11.2         | 6           | 337128 |              |       |

### ■ Cutter body (small spacing)

( ) the value of the ONMT type blade.

| Type        | Stock | Dimension (mm) |     |     |           |        |      |     |      |     | Blade number | Weight (kg) | Fig | Order Number | Price |
|-------------|-------|----------------|-----|-----|-----------|--------|------|-----|------|-----|--------------|-------------|-----|--------------|-------|
|             |       | φDc            | φD1 | φDb | Lf        | φd     | a    | b   | ℓ    | φd1 |              |             |     |              |       |
| DGCM13050RS | ●     | 50(52.9)       | 64  | 40  | 40(38.44) | 22     | 10.4 | 6.3 | 20   | 18  | 4            | 0.3         | 1   | 337200       | 0.3   |
| 13063RS     | ●     | 63(65.9)       | 77  | 50  | 40(38.44) | 22     | 10.4 | 6.3 | 20   | 18  | 5            | 0.5         | 1   | 337202       | 0.5   |
| 13080RS     | ●     | 80(82.9)       | 94  | 60  | 50(48.44) | 27     | 12.4 | 7   | 25   | 20  | 6            | 1.1         | 1   | 337204       | 1.2   |
| 13100RS     | ●     | 100(102.9)     | 114 | 70  | 50(48.44) | 32     | 14.4 | 8.5 | 32   | 46  | 7            | 1.5         | 3   | 337206       | 1.6   |
| 13125RS     | ●     | 125(127.9)     | 139 | 80  | 63(61.44) | 40     | 16.4 | 9.5 | 29   | 52  | 8            | 2.8         | 1   | 337208       | 2.8   |
| 13160RS     | ●     | 160(162.9)     | 174 | 130 | 63(61.44) | 40     | 16.4 | 9.5 | 29   | 88  | 10           | 4.6         | 5   | 337210       | 4.5   |
| 13200RS     | ●     | 200(202.9)     | 214 | 150 | 63(61.44) | 60     | 25.7 | 14  | 35   | 130 | 12           | 7           | 6   | 337212       | 7.1   |
| 13250RS     | ●     | 250(252.9)     | 264 | 190 | 63(61.44) | 60     | 25.7 | 14  | 35   | 160 | 14           | 11.1        | 6   | 337214       | 11.2  |
| DGCM13080R  | ●     | 80(82.9)       | 94  | 60  | 50(48.44) | 25.4   | 9.5  | 6   | 25   | 20  | 6            | 1.1         | 1   | 337216       | 1.2   |
| 13100R      | ●     | 100(102.9)     | 114 | 70  | 63(61.44) | 31.75  | 12.7 | 8   | 32.5 | 28  | 7            | 2.2         | 2   | 337218       | 2.2   |
| 13125R      | ●     | 125(127.9)     | 139 | 80  | 63(61.44) | 38.1   | 15.9 | 10  | 35.5 | 55  | 8            | 2.8         | 1   | 337220       | 2.8   |
| 13160R      | ●     | 160(162.9)     | 174 | 100 | 63(61.44) | 50.8   | 19   | 11  | 38   | 72  | 10           | 4.6         | 4   | 337222       | 4.5   |
| 13200R      | ●     | 200(202.9)     | 214 | 150 | 63(61.44) | 47.625 | 25.4 | 14  | 35   | 130 | 12           | 7           | 6   | 337224       | 7.1   |
| 13250R      | ●     | 250(252.9)     | 264 | 190 | 63(61.44) | 47.625 | 25.4 | 14  | 35   | 150 | 14           | 11.1        | 6   | 337226       | 11.2  |

### ■ Cutter body (ultra small spacing)

( ) the value of the ONMT type blade.

| Type         | Stock | Dimension (mm) |     |     |           |        |      |     |      |     | Blade number | Weight (kg) | Fig | Order Number | Price |
|--------------|-------|----------------|-----|-----|-----------|--------|------|-----|------|-----|--------------|-------------|-----|--------------|-------|
|              |       | φDc            | φD1 | φDb | Lf        | φd     | a    | b   | ℓ    | φd1 |              |             |     |              |       |
| DGCF 13050RS | ●     | 50(52.9)       | 64  | 40  | 40(38.44) | 22     | 10.4 | 6.3 | 20   | 18  | 5            | 0.3         | 1   | 337300       | 0.3   |
| 13063RS      | ●     | 63(65.9)       | 77  | 50  | 40(38.44) | 22     | 10.4 | 6.3 | 20   | 18  | 6            | 0.5         | 1   | 337302       | 0.5   |
| 13080RS      | ●     | 80(82.9)       | 94  | 60  | 50(48.44) | 27     | 12.4 | 7   | 25   | 20  | 8            | 1.1         | 1   | 337304       | 1.2   |
| 13100RS      | ●     | 100(102.9)     | 114 | 70  | 50(48.44) | 32     | 14.4 | 8.5 | 32   | 46  | 10           | 1.4         | 3   | 337306       | 1.6   |
| 13125RS      | ●     | 125(127.9)     | 139 | 80  | 63(61.44) | 40     | 16.4 | 9.5 | 29   | 52  | 12           | 2.7         | 1   | 337308       | 2.8   |
| 13160RS      | ●     | 160(162.9)     | 174 | 130 | 63(61.44) | 40     | 16.4 | 9.5 | 29   | 88  | 14           | 4.4         | 5   | 337310       | 4.5   |
| 13200RS      | ●     | 200(202.9)     | 214 | 150 | 63(61.44) | 60     | 25.7 | 14  | 35   | 130 | 16           | 6.9         | 6   | 337312       | 7.1   |
| 13250RS      | ●     | 250(252.9)     | 264 | 190 | 63(61.44) | 60     | 25.7 | 14  | 35   | 160 | 18           | 11          | 6   | 337314       | 11.2  |
| DGCF 13080R  | ●     | 80(82.9)       | 94  | 60  | 50(48.44) | 25.4   | 9.5  | 6   | 25   | 20  | 8            | 1.1         | 1   | 337316       | 1.2   |
| 13100R       | ●     | 100(102.9)     | 114 | 70  | 63(61.44) | 31.75  | 12.7 | 8   | 32.5 | 28  | 10           | 2.1         | 2   | 337318       | 2.2   |
| 13125R       | ●     | 125(127.9)     | 139 | 80  | 63(61.44) | 38.1   | 15.9 | 10  | 35.5 | 55  | 12           | 2.7         | 1   | 337320       | 2.8   |
| 13160R       | ●     | 160(162.9)     | 174 | 100 | 63(61.44) | 50.8   | 19   | 11  | 38   | 72  | 14           | 4.4         | 4   | 337322       | 4.5   |
| 13200R       | ●     | 200(202.9)     | 214 | 150 | 63(61.44) | 47.625 | 25.4 | 14  | 35   | 130 | 16           | 6.9         | 6   | 337324       | 7.1   |
| 13250R       | ●     | 250(252.9)     | 264 | 190 | 63(61.44) | 47.625 | 25.4 | 14  | 35   | 150 | 18           | 11          | 6   | 337326       | 11.2  |

body without blade. 160mm above the size of the non stomatal ( ) for the installation of ONMT type blade when the value of. When locking the cutter body with a dimension of 80 and 100mm, use JIS B1176 / angle Kong Luoshuan ( φ80 M12x30~35mm, φ100 M16x40~45mm).

### ■ Blade / accessories

### ■ Model name method

### ■ Recommended cutting conditions

**DGC M 13 050 R S**  
 ① form Mark ② M:Small F:Small++ ③ blade size ④ Milling diameter ⑤ direction ⑥ Metric style



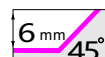
SEC-

**DGC13000EW**

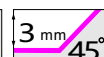
SEC-Sumi Dual Mill DGC 13000EW Type

General cutting of steel and cast iron

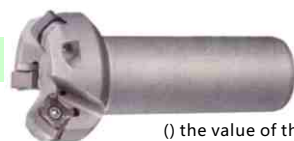
|            |                  |      |
|------------|------------------|------|
| Rake angle | Radius direction | -10° |
|            | Axial direction  | -5°  |



(SNMT)



(ONMT)



( ) the value of the ONMT type blade.  
body without blade.

## ■ Cutter body (shank type)

| Type       | Stock | Dimension (mm) |            |            |           |          |     | Blade number | Weight (kg) | Order Number | Price |
|------------|-------|----------------|------------|------------|-----------|----------|-----|--------------|-------------|--------------|-------|
|            |       | $\phi D_c$     | $\phi D_1$ | $\phi D_s$ | Lf        | $\ell_s$ | L   |              |             |              |       |
| DGC13040EW | ●     | 40(42.9)       | 54         | 32         | 40(38.44) | 85       | 125 | 3            | 0.7         | 337400       |       |
| 13050EW    | ●     | 50(52.9)       | 64         | 32         | 40(38.44) | 85       | 125 | 3            | 0.9         | 337402       |       |
| 13063EW    | ●     | 63(65.9)       | 77         | 32         | 40(38.44) | 85       | 125 | 4            | 1.1         | 337404       |       |

■ Model name method **DGC 13 040 EW**

- ① form Mark    ② blade size    ③ Milling diameter    ④ End mill type

## ■ Inserts

P M K N S H

| Material classification |                    | coating |        |        |        |        |        | Cermet |
|-------------------------|--------------------|---------|--------|--------|--------|--------|--------|--------|
| Suitable processing     | High speed cutting | P       |        |        | K      |        |        |        |
|                         | Universal cutting  |         | P      | M      | K      |        |        | P      |
|                         | Rough cutting      |         | P      | M      | K      |        |        |        |
| Type                    |                    | ACP100  | ACP200 | ACP300 | ACK200 | ACK300 | T4500A | Fig    |
| SNMT 13T6ANER-L         |                    | ●       | ●      | ●      | ●      | ●      | —      | 1      |
| 13T6ANER-G              |                    | ●       | ●      | ●      | ●      | ●      | ●      | 1      |
| 13T6ANER-H              |                    | ●       | ●      | ●      | ●      | ●      | —      | 1      |
| 13T6ANER-FL             |                    | ●       | ●      | ●      | —      | ●      | —      | 2      |
| 13T6ANER-FB             |                    | ●       | ●      | ●      | —      | ●      | —      | 2      |
| XNEU 13T6ANEN-W         |                    | —       | ●      | —      | —      | ●      | —      | 3      |
| ONMT 05T6ANER-L         |                    | ●       | ●      | ●      | ●      | ●      | —      | 4      |
| 05T6ANER-G              |                    | ●       | ●      | ●      | ●      | ●      | —      | 4      |

Fig 1

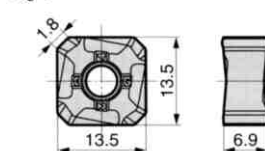


Fig 2

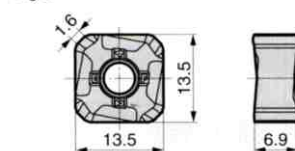


Fig 3

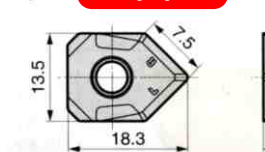
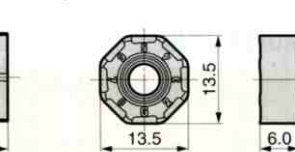
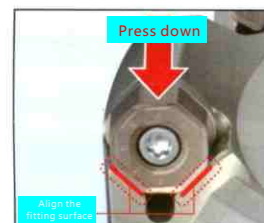


Fig 4



Method for mounting octagonal blade

⚠ The side of the blade is effectively aligned with the surface. Press the blade in the direction of the arrow and tighten with the screw.



## ■ Enclosure

(Optional parts)

| Shim    | Shim locking screw | L wrench | Inserts locking screw | wrench   | High temperature ointment | Inserts locking screw |
|---------|--------------------|----------|-----------------------|----------|---------------------------|-----------------------|
| DGCS13R | BW0609F            | LH040    | BFTX0412IP            | TRDR15IP | SUMI-P                    | BFTX0418IP            |

The blade angle can be replaced only by loosening the screws. However, the DGC type /DGCM is only limited to more than 80mm.

## ■ Recommended cutting conditions (SNMT type blade)

| ISO | Material        | Used | Cutting speed Vc(m/min)<br>lower-Recommend-Upper | Feed quantity Fz(mm/t)<br>lower-Recommend-Upper | depth (mm) | Blade material   |
|-----|-----------------|------|--------------------------------------------------|-------------------------------------------------|------------|------------------|
| P   | General steel   | ◎    | 150-200-250                                      | 0.10-0.25-0.40                                  | <4         | ACP200<br>ACP300 |
|     | Mild steel      | ◎    | 180-250-350                                      | 0.10-0.30-0.45                                  | <4         | ACP200<br>ACP300 |
|     | Die steel       | ◎    | 100-150-200                                      | 0.15-0.25-0.35                                  | <4         | ACP200<br>ACP300 |
| M   | Stainless steel | ○    | 160-200-250                                      | 0.15-0.23-0.30                                  | <3         | ACP300           |
| K   | cast iron       | ○    | 100-200-250                                      | 0.10-0.25-0.40                                  | <5         | ACK200<br>ACK300 |

## ■ Recommended cutting conditions (ONMT type blade)

| ISO | Material        | Used | Cutting speed Vc(m/min)<br>lower-Recommend-Upper | Feed quantity Fz(mm/t)<br>lower-Recommend-Upper | depth (mm) | Blade material   |
|-----|-----------------|------|--------------------------------------------------|-------------------------------------------------|------------|------------------|
| P   | General steel   | ◎    | 150-200-250                                      | 0.10-0.30-0.50                                  | <2         | ACP200<br>ACP300 |
|     | Mild steel      | ◎    | 180-250-350                                      | 0.10-0.50-0.50                                  | <2         | ACP200<br>ACP300 |
|     | Die steel       | ◎    | 100-150-200                                      | 0.15-0.25-0.30                                  | <2         | ACP200<br>ACP300 |
| M   | Stainless steel | ○    | 160-200-250                                      | 0.15-0.23-0.30                                  | <2         | ACP300           |
| K   | cast iron       | ○    | 100-200-250                                      | 0.10-0.30-0.50                                  | <2         | ACK200<br>ACK300 |



### SEC - DNX(F)/DNH DNHS High efficiency milling cutter for cast iron and cast steel

#### SEC-DNX(F)/DNH,DNHS Type



#### ■ Specialty

To achieve the maximum cutting depth of 8mm high efficiency machining!  
Negative type blade with chip breaking groove on double negative type cutter body!

8 knife angle is available, good economic! 3 types of knife body, can deal with from the general high efficiency into the processing! All types of blades can be universal!



#### ■ Series structure

With a negative rake angle blade, to achieve a low resistance, high into the processing

**DNX/DNXF**  
Universal type

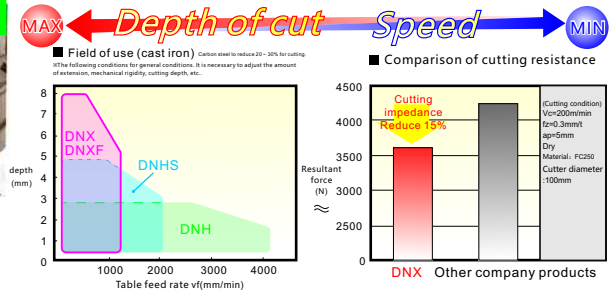
|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Maximum cutting depth   | 8mm                                                                       |
| Offset angle            | 25°                                                                       |
| Milling cutter diameter | DNX 12000R(S) Universal type<br>DNXF 12000R(S) Universal multi blade type |
|                         | φ80 ~ φ250mm<br>φ80 ~ φ160mm                                              |

**DNHS**  
Medium cut depth High-speed feed

|                         |                                             |
|-------------------------|---------------------------------------------|
| Maximum cutting depth   | 5mm                                         |
| Offset angle            | 66°                                         |
| Milling cutter diameter | DNHS 12000R Medium cut depth High feed type |
|                         | φ80 ~ φ160mm                                |

**DNH**  
Small cutting depth High-speed feed

|                         |                                                |
|-------------------------|------------------------------------------------|
| Maximum cutting depth   | 3mm                                            |
| Offset angle            | 66°                                            |
| Milling cutter diameter | DNHS 12000R Small cutting depth High feed type |
|                         | φ80 ~ φ160mm                                   |



#### ■ Recommended cutting conditions

##### DNX/DNXF

| ISO | Material          | hardness    | Cutting speed Vc(m/min)<br>lower-Recommend-Upper | Feed quantity Fz(mm/t)<br>lower-Recommend-Upper | Blade material   |
|-----|-------------------|-------------|--------------------------------------------------|-------------------------------------------------|------------------|
| K   | Cast iron         | 250HB       | 150-225-300                                      | 0.10-0.20-0.30                                  | ACK200<br>ACK300 |
|     | Nodular cast iron | 250HB       | 150-200-250                                      | 0.10-0.18-0.25                                  | ACK200<br>ACK300 |
| P   | Carbon steel      | 180 ~ 280HB | 150-175-200                                      | 0.10-0.15-0.20                                  | ACP200           |
|     | Alloy steel       | 180 ~ 280HB | 150-175-200                                      | 0.10-0.15-0.20                                  | ACP200           |

**Warning** The above cutting conditions for the general basis, according to the mechanical rigidity and workpiece rigidity, cutting depth adjustment.

##### DNHS /DNHS

| ISO | Material          | hardness    | Cutting speed Vc(m/min)<br>lower-Recommend-Upper | Feed quantity Fz(mm/t)<br>lower-Recommend-Upper | Blade material   |
|-----|-------------------|-------------|--------------------------------------------------|-------------------------------------------------|------------------|
| K   | Cast iron         | 250HB       | 150-225-300                                      | 0.10-0.55-1.00                                  | ACK200<br>ACK300 |
|     | Nodular cast iron | 250HB       | 150-200-250                                      | 0.10-0.55-1.00                                  | ACK200<br>ACK300 |
| P   | Carbon steel      | 180 ~ 280HB | 150-175-200                                      | 0.10-0.45-0.80                                  | ACP200           |
|     | Alloy steel       | 180 ~ 280HB | 150-175-200                                      | 0.10-0.35-0.60                                  | ACP200           |

**Warning** DNHS, Because the blade height is staggered configuration, the actual feed quantity of each blade is 2. Please Fz=0.5mm/t (actual feed 1.0mm/t) is used as the upper limit. The above cutting conditions for the general basis, according to the mechanical rigidity and workpiece rigidity, cutting depth adjustment.

### SEC - DNX(F)/DNH DNHS

#### SEC-DNX(F)/DNH,DNHS Type

| Machining parts / materials    | Auto parts/FC250                          |
|--------------------------------|-------------------------------------------|
| Use equipment                  | CNC(BT30)                                 |
| Manufacturer                   | MZG Other                                 |
| Body                           | DNXF 1200R Milling                        |
| Inserts                        | G Type G Type                             |
| Diameter(mm)                   | 80 80                                     |
| Blade Number                   | 8 8                                       |
| Blade Material                 | ACK200 K-CVD                              |
| Speed(m/min)                   | 200 200                                   |
| Each edge Feed quantity (mm/t) | 0.069 (Vf=420mm/min) 0.069 (Vf=420mm/min) |
| Axial cutting depth (mm)       | 1.6 1.6                                   |
| Cutting width(mm)              | 60 60                                     |
| Dry/Wet                        | Wet Wet                                   |

Under the same conditions, compared with the previous product, it has reached 2 times longer life.

| Machining parts / materials    | Auto parts/FC250                         |
|--------------------------------|------------------------------------------|
| Use equipment                  | CNC(BT50)                                |
| Manufacturer                   | MZG Other                                |
| Body                           | DNHS 1210R Milling                       |
| Inserts                        | H Type H Type                            |
| Diameter(mm)                   | 100 100                                  |
| Blade Number                   | 8(4) 7                                   |
| Blade Material                 | ACP200 P-CVD                             |
| Speed(m/min)                   | 140 200                                  |
| Each edge Feed quantity (mm/t) | 0.25 (Vf=450mm/min) 0.095 (Vf=300mm/min) |
| Axial cutting depth (mm)       | 3~4 3~4                                  |
| Cutting width(mm)              | 50 50                                    |
| Dry/Wet                        | Dry Dry                                  |

Compared with the previous product, up to 1.5 times the efficient processing.

※( ) In a valid edge number

| Machining parts / materials    | Auto parts/FC250                         |
|--------------------------------|------------------------------------------|
| Use equipment                  | CNC(BT30)                                |
| Manufacturer                   | MZG Other                                |
| Body                           | DNXF 1210R Milling                       |
| Inserts                        | H Type H Type                            |
| Diameter(mm)                   | 100 100                                  |
| Blade Number                   | 10 10                                    |
| Blade Material                 | ACK200 K-CVD                             |
| Speed(m/min)                   | 314 314                                  |
| Each edge Feed quantity (mm/t) | 0.15 (Vf=1500mm/min) 0.11 (Vf=420mm/min) |
| Axial cutting depth (mm)       | 1.5 1.5                                  |
| Cutting width(mm)              | 80 80                                    |
| Dry/Wet                        | Wet Wet                                  |

Compared with the previous product to achieve 1.4 times the efficient processing, 1.3 times longer life.

| Machining parts / materials    | Auto parts/FC250                        |
|--------------------------------|-----------------------------------------|
| Use equipment                  | CNC(BT50)                               |
| Manufacturer                   | MZG Other                               |
| Body                           | DNHS 1210R Milling                      |
| Inserts                        | G Type G Type                           |
| Diameter(mm)                   | 160 160                                 |
| Blade Number                   | 10 10                                   |
| Blade Material                 | ACK200 K-CVD                            |
| Speed(m/min)                   | 200 200                                 |
| Each edge Feed quantity (mm/t) | 0.15 (Vf=557mm/min) 0.10 (Vf=358mm/min) |
| Axial cutting depth (mm)       | 3.5 3.5                                 |
| Cutting width(mm)              | 135 135                                 |
| Dry/Wet                        | Wet Wet                                 |

Life expectancy of more than 1.5 times the previous life

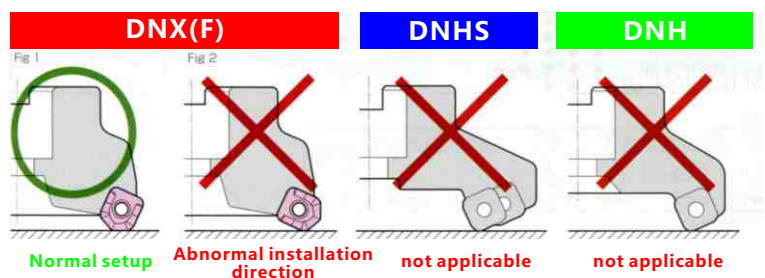
※( ) In a valid edge number

#### ■ With the use of Kong Xiuguang blade tips

● When installing the blade, refer to Fig 1 for the installation of the blade. When Fig 2 is installed, the roughness of the machined surface is not obtained.

● Light blade is the 1 sides of both sides of the use of a single edge.

● Do not use type DNHS and type DNH.



## SEC - DNX(F)12000

SEC-DNX(F)12000 Type

Cast iron, cast steel, high efficiency machining

■ Holder(DNX 12000R)Main deflection angle 25°

| Type        | Stock | Dimension (mm) |     |     |      |    |        |      |     |    | Blade number | Effective edge | Weight (kg) | Fig | Order Number | Price |
|-------------|-------|----------------|-----|-----|------|----|--------|------|-----|----|--------------|----------------|-------------|-----|--------------|-------|
|             |       | φDc            | φD1 | φDb | φd1  | Lf | φd     | a    | b   | ℓ  |              |                |             |     |              |       |
| DNX 12080R  | •     | 80             | 88  | 80  | 13   | 50 | 25.4   | 9.5  | 6   | 25 | 6            | 6              | 1.2         | 1   | 337500       |       |
| 12100R      | •     | 100            | 108 | 70  | 46   | 50 | 31.75  | 12.7 | 8   | 32 | 7            | 7              | 1.6         | 2   | 337502       |       |
| 12125R      | •     | 125            | 133 | 80  | 56   | 63 | 38.1   | 15.9 | 10  | 38 | 8            | 8              | 2.8         | 2   | 337504       |       |
| 12160R      | •     | 160            | 168 | 100 | 72   | 63 | 50.8   | 19.0 | 11  | 38 | 10           | 10             | 4.4         | 2   | 337506       |       |
| 12200R      | •     | 200            | 210 | 150 | 130  | 63 | 47.625 | 25.4 | 14  | 35 | 16           | 16             | 8.0         | 4   | 337508       |       |
| 12250R      | •     | 250            | 260 | 180 | 160  | 63 | 47.625 | 25.4 | 14  | 35 | 20           | 20             | 12.2        | 4   | 337510       |       |
| DNX 12080RS | •     | 80             | 88  | 60  | 13.5 | 50 | 27     | 12.4 | 7   | 25 | 6            | 6              | 1.2         | 1   | 337512       |       |
| 12100RS     | •     | 100            | 108 | 80  | 46   | 50 | 32     | 14.4 | 8.5 | 29 | 7            | 7              | 1.6         | 2   | 337514       |       |
| 12125RS     | •     | 125            | 133 | 80  | 56   | 63 | 40     | 16.4 | 9.5 | 29 | 8            | 8              | 2.8         | 2   | 337516       |       |
| 12160RS     | •     | 160            | 168 | 100 | 88   | 63 | 40     | 16.4 | 9.5 | 29 | 10           | 10             | 4.4         | 3   | 337518       |       |
| 12200RS     | •     | 200            | 210 | 150 | 130  | 63 | 60     | 25.7 | 14  | 35 | 16           | 16             | 8.0         | 4   | 337520       |       |
| 12250RS     | •     | 250            | 260 | 180 | 160  | 63 | 60     | 25.7 | 14  | 35 | 20           | 20             | 12.2        | 4   | 337522       |       |

■ Holder(DNXF 12000R)Main deflection angle 25°

Universal multi blade type

|              |   |     |     |     |      |    |       |      |     |    |    |    |     |   |        |  |
|--------------|---|-----|-----|-----|------|----|-------|------|-----|----|----|----|-----|---|--------|--|
| DNXF 12080R  | • | 80  | 88  | 60  | 13   | 50 | 25.4  | 9.5  | 6   | 25 | 8  | 8  | 1.2 | 1 | 337524 |  |
| 12100R       | • | 100 | 108 | 70  | 46   | 50 | 31.75 | 12.7 | 8   | 32 | 10 | 10 | 1.6 | 2 | 337526 |  |
| 12125R       | • | 125 | 133 | 80  | 56   | 63 | 38.1  | 15.9 | 10  | 38 | 11 | 11 | 2.7 | 2 | 337528 |  |
| 12160R       | • | 160 | 168 | 100 | 72   | 63 | 50.8  | 19.0 | 11  | 38 | 12 | 12 | 4.4 | 2 | 337530 |  |
| DNXF 12080RS | • | 80  | 88  | 60  | 13.5 | 50 | 27    | 12.4 | 7   | 25 | 8  | 8  | 1.2 | 1 | 337532 |  |
| 12100RS      | • | 100 | 108 | 80  | 46   | 50 | 32    | 14.4 | 8.5 | 29 | 10 | 10 | 1.6 | 2 | 337534 |  |
| 12125RS      | • | 125 | 133 | 80  | 56   | 63 | 40    | 16.4 | 9.5 | 29 | 11 | 11 | 2.7 | 2 | 337536 |  |
| 12160RS      | • | 160 | 168 | 100 | 88   | 63 | 40    | 16.4 | 9.5 | 29 | 12 | 12 | 4.4 | 3 | 337538 |  |

※φ200mmThe above dimensions are in the form of a block. Knife body without blade.body without blade.

In the locking handle φ80mm When the body , Please use the inner six angle bolts(JISB1176)M12x30 ~ 35mm.

## SEC - DNH(S)12000

SEC-DNH(S)12000 Type

Cast iron, cast steel, high efficiency machining

■ Holder(DNH 12000R)Main deflection angle 66°

Small cutting depth and high feed type

| Type       | Stock | Dimension (mm) |     |     |     |    |       |      |    |    | Blade number | Effective edge | Weight (kg) | Fig | Order Number | Price |
|------------|-------|----------------|-----|-----|-----|----|-------|------|----|----|--------------|----------------|-------------|-----|--------------|-------|
|            |       | φDc            | φD1 | φDb | φd1 | Lf | φd    | a    | b  | ℓ  |              |                |             |     |              |       |
| DNH 12080R | •     | 80             | 104 | 60  | 13  | 50 | 25.4  | 9.5  | 6  | 25 | 6            | 6              | 1.5         | 1   | 337600       |       |
| 12100R     | •     | 100            | 124 | 70  | 46  | 50 | 31.75 | 12.7 | 8  | 32 | 7            | 7              | 1.9         | 2   | 337602       |       |
| 12125R     | •     | 125            | 149 | 80  | 56  | 63 | 38.1  | 15.9 | 10 | 38 | 8            | 8              | 3.2         | 2   | 337604       |       |
| 12160R     | •     | 160            | 184 | 100 | 72  | 63 | 50.8  | 19.0 | 11 | 38 | 10           | 10             | 5.1         | 2   | 337606       |       |

■ Holder(DNH 12000R)Main deflection angle 60°

Medium cutting depth and high feed type

body without blade

|            |   |     |     |     |    |    |       |      |    |    |    |   |     |   |        |  |
|------------|---|-----|-----|-----|----|----|-------|------|----|----|----|---|-----|---|--------|--|
| DNH 12080R | • | 80  | 116 | 60  | 13 | 50 | 25.4  | 9.5  | 6  | 25 | 6  | 3 | 1.7 | 3 | 337608 |  |
| 12100R     | • | 100 | 136 | 70  | 46 | 50 | 31.75 | 12.7 | 8  | 32 | 8  | 4 | 2.3 | 4 | 337610 |  |
| 12125R     | • | 125 | 161 | 80  | 56 | 63 | 38.1  | 15.9 | 10 | 38 | 10 | 5 | 3.2 | 4 | 337612 |  |
| 12160R     | • | 160 | 196 | 100 | 72 | 63 | 50.8  | 19.0 | 11 | 38 | 11 | 6 | 6.2 | 4 | 337614 |  |

■ Blade

In the locking handle φ80mm When the body , Please use the inner six angle bolts(JISB1176)M12x30 ~ 35mm.

P M K

| Material classification |                    | Coating |        |        |        |        | Model name method  |                             |                           |   |     |                          | Fig5/6/7             |                  | Fig 8      |                  | Fig 9     |              |         |  |  |  |  |  |  |  |  |  |
|-------------------------|--------------------|---------|--------|--------|--------|--------|--------------------|-----------------------------|---------------------------|---|-----|--------------------------|----------------------|------------------|------------|------------------|-----------|--------------|---------|--|--|--|--|--|--|--|--|--|
| Suitable processing     | High speed cutting | K       | K      |        |        |        | ①                  | ②                           | ③                         | ④ | ⑤   | ⑥                        | Formal notation      | Dense tooth Type | Blade size | Milling diameter | Direction | Metric style |         |  |  |  |  |  |  |  |  |  |
|                         | Universal cutting  | K       | K      |        |        |        |                    |                             |                           |   |     |                          |                      |                  |            |                  |           |              |         |  |  |  |  |  |  |  |  |  |
|                         | Rough cutting      |         |        | K      |        |        |                    |                             |                           |   |     |                          |                      |                  |            |                  |           |              |         |  |  |  |  |  |  |  |  |  |
| Type                    |                    | ACK100  | ACK200 | ACK300 | ACP200 | ACP300 | Cutting edge shape |                             | Used                      |   | Fig |                          | L Type/G Type/H Type |                  | SH Type    |                  | W Type    |              |         |  |  |  |  |  |  |  |  |  |
| SNMT 1205ZHEN-L         |                    |         |        |        |        |        | V word cut type    | Light cutting               |                           | 5 |     | ● Tool tip section shape |                      |                  | 20°        |                  | 10°       |              | 5°      |  |  |  |  |  |  |  |  |  |
| 1205ZHEN-G              |                    |         |        |        |        |        |                    | currency                    |                           | 6 |     | L Type                   |                      |                  | G Type     |                  | H Type    |              | SH Type |  |  |  |  |  |  |  |  |  |
| 1205ZHEN-H              |                    |         |        |        |        |        |                    | Heavy cutting               |                           | 7 |     |                          |                      |                  |            |                  |           |              |         |  |  |  |  |  |  |  |  |  |
| SNMT 1205ZHEN-SH        |                    |         |        |        |        |        | Straight type      | Chip processing improvement |                           | 8 |     |                          |                      |                  |            |                  |           |              |         |  |  |  |  |  |  |  |  |  |
| XNGT 1205ZHEN-W         |                    |         |        |        |        |        |                    | Trimming type               | Improve surface roughness |   | 9   |                          |                      |                  |            |                  |           |              |         |  |  |  |  |  |  |  |  |  |

