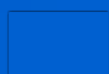




# *AKO carbide CNC insertion*

奥凯彤新材料有限公司  
Aokai Tong New Material Co., Ltd.



铣削加工新涂层牌号 AK (PVD)102/202/203/204  
Milling processing new coating grade  
AK PVD 102/202/203/204

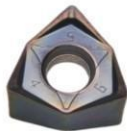
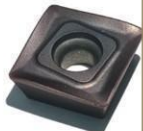
新PVD涂层,可实现一般钢、模具钢、不锈钢,由低速粗加工到高速、高硬加工的各种需要  
The new PVD coating can meet various needs of general steel, mold steel, and stainless steel, from low-speed rough machining to high-speed and high hardness machining

| 牌号<br>Grade | 涂层<br>Coating | 特 点<br>Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 用 途<br>purpose                                                                                             |
|-------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| AKO 102     | TiAlN+TiN     | 超细颗粒的强韧性基体加超厚的涂层,采用先进的涂层工艺,使涂层在中、低速条件下具有良好的韧性和耐磨性。涂层表面光滑,有较低的摩擦系数,从而排屑顺畅及提高耐磨性。<br>The strong and tough matrix of ultrafine particles is coated with an ultra-thick coating, using advanced coating technology to ensure that the coating is It has good toughness and wear resistance under speed conditions. The coating surface is smooth and has a low coefficient of friction, resulting in Smooth chip removal and improved wear resistance.                                                                               | 中低速通用加工<br>Medium and low speed universal machining                                                        |
| AKO 202     | TiAlSiN       | 超细颗粒的良好韧性基体与添加 Si 涂层成分,采用先进的涂层工艺,充分地提高了高硬、高速加工中涂层的性能。涂层表面光滑,有较低的摩擦系数,从而排屑顺畅及提高耐磨性。<br>The excellent toughness matrix of ultrafine particles and the addition of Si coating components, using advanced coating technology, fully Improved the performance of coatings in high hardness and high-speed machining. The coating surface is smooth and has a low coefficient of friction, ranging from Smooth chip removal and improved wear resistance.                                                                              | 高硬、高速加工<br>High hardness and high-speed machining                                                          |
| AKW 203     | AlTiN         | 超细颗粒的强韧性基体与特殊结构的高铝涂层,采用先进的涂层工艺,使涂层在中、高速条件下具有非常高的耐磨性,适合大多数加工场合。此外涂层表面光滑,有较低的摩擦系数,从而排屑顺畅及提高耐磨性。<br>The strong and ductile matrix of ultrafine particles and the high aluminum coating with special structure adopt advanced coating technology to make the coating It has very high wear resistance under medium to high speed conditions and is suitable for most machining situations. In addition, the coating surface is Smooth, with low friction coefficient, resulting in smooth chip removal and improved wear resistance. | 中高速通用加工<br>Medium and high speed universal machining                                                       |
| AKW 204     | TiAlSiN       | 粗颗粒的高强韧性基体与添加 Si 涂层成分,采用先进的涂层工艺,充分地提高了有锋利刃口刀片的耐磨性能。涂层表面光滑,有较低的摩擦系数,从而排屑顺畅及提高耐磨性。<br>The high-strength and toughness matrix with coarse particles and the addition of Si coating components, using advanced coating technology, fully improves The wear resistance of blades with sharp edges is improved. The surface of the coating is smooth and has a low coefficient of friction, thereby eliminating Smooth chips and improved wear resistance.                                                                             | 不锈钢、耐热钢等粘性材料通用加工<br>Stainless steel, heat-resistant steel, etc<br>General processing of adhesive materials |

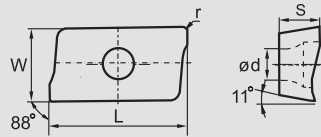


# 大进给.快进给铣刀片系列

## High feed and fast feed milling insertion series

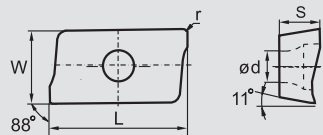
| 刀片图型<br>Insert picture                                                              | 刀片型号<br>Insert model | 内切园/mm<br>Inner garden | 厚度mm<br>thickness | 内孔mm<br>Inner pore |       |
|-------------------------------------------------------------------------------------|----------------------|------------------------|-------------------|--------------------|-------|
|    | AKO 102              | XNEX080608-MK          | Ø12.47            | 7.9                | Ø4.7  |
|                                                                                     | AKW 204              |                        |                   |                    |       |
|                                                                                     | AKW 203              | XNEX080608-MP          | Ø12.47            | 7.9                | Ø4.7  |
|    | AKW 203              |                        |                   |                    |       |
|                                                                                     | AKW 204              | WNMU080608EN-GM        | Ø14.02            | 6.65               | Ø6.2  |
|                                                                                     |                      |                        |                   |                    |       |
|   | AKO 102              |                        |                   |                    |       |
|                                                                                     | AKW 204              | LOGU030310ER-GM        | 11.9              | 3.96               | Ø3.45 |
|                                                                                     | AKW 203              |                        |                   |                    |       |
|  | AKW 203              | SNMX120608QNN-MM       | Ø12.7             | 6.45               | Ø5.16 |
|                                                                                     | AKW 204              |                        |                   |                    |       |
|                                                                                     |                      | SNMX120608ANN-MM       | Ø12.7             | 6.35               | Ø5.16 |
|  | AKO 102              |                        |                   |                    |       |
|                                                                                     | AKW 204              | SOMT120408PDER-JM      | Ø12.7             | 4.76               | Ø4.4  |
|                                                                                     | AKW 203              |                        |                   |                    |       |
|  | AKO 102              |                        |                   |                    |       |
|                                                                                     | AKW 204              | OAKU060508SL-M50       | Ø17.18            | 5.65               | Ø5.88 |
|                                                                                     | AKW 203              |                        |                   |                    |       |
|  | AKW 203              |                        |                   |                    |       |
|                                                                                     | AKW 204              | ONHU08T508-PM          | Ø20.6             | 6.3                | Ø5.80 |

# 铣刀片系列Milling blade series

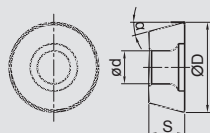


| 刀片图<br>insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |      |     |     | 槽型说明<br>Slot Description                                                     |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|-------|------|-----|-----|------------------------------------------------------------------------------|
|                       |                      |        |        |         |         | L                      | W     | S    | φd  | r   |                                                                              |
|                       | APMT1135PDER-M       |        | ○      | ●       |         | 11.25                  | 6.2   | 3.5  | 2.8 | 0.8 | 适合半精铣<br>Suitable for semi precision milling                                 |
|                       | APMT1135PDER-H       |        | ●      | ●       |         | 11.25                  | 6.2   | 3.5  | 2.8 | 0.8 | 适合粗、硬铣<br>uitable for rough and hard milling                                 |
|                       | APMT1135PDR          |        | ○      | ●       |         | 11.25                  | 6.2   | 3.5  | 2.8 | 0.8 | 通 用<br>be current                                                            |
|                       | APMT1135PDTR         |        | ●      | ●       |         | 11.25                  | 6.2   | 3.5  | 2.8 | 0.8 | 适合半精铣、粘软性材料<br>Suitable for semi precision milling and sticky soft materials |
|                       | APMT1135PDER-XM      | ●      | ●      |         | ○       | 11.25                  | 6.2   | 3.5  | 2.8 | 0.8 | 通用性能较好<br>Good general performance                                           |
|                       | APMT1135PDER-HR      | ●      | ●      |         |         | 11.3                   | 6.25  | 3.5  | 2.8 | 0.8 | 通用性能较好<br>Good general performance                                           |
|                       | APMT1604PDER-HR      | ●      | ●      |         |         | 17.42                  | 9.33  | 5.3  | 4.5 | 0.8 | 通用性能较好<br>Good general performance                                           |
|                       | APMT1604PDER-M       |        | ○      | ●       |         | 17.25                  | 9.25  | 4.76 | 4.4 | 0.8 | 适合半精铣<br>Suitable for semi precision milling                                 |
|                       | APMT1604PDER-H       |        | ●      | ●       |         | 17.25                  | 9.25  | 4.76 | 4.4 | 0.8 | 适合粗、硬铣<br>Suitable for rough and hard milling                                |
|                       | APMT160408PDER       |        | ○      | ●       |         | 17.25                  | 9.25  | 4.76 | 4.4 | 0.8 | 通 用<br>be current                                                            |
|                       | APMT1604PDTR         |        | ○      | ●       |         | 17.25                  | 9.25  | 4.76 | 4.4 | 0.8 | 适合粗、硬铣<br>Suitable for rough and hard milling                                |
|                       | APMT1605PEER-XM      | ●      | ●      |         | ○       | 17.45                  | 9.33  | 5.2  | 4.4 | 0.8 | 通用性能较好<br>Good general performance                                           |
|                       | AOMT180516-M         |        | ●      | ○       | ○       | 18.55                  | 10.7  | 5.85 | 4.5 | 1.6 | 能适应大切深<br>Capable of adapting to large cutting depths                        |
|                       | AOMT113608-PM        |        | ●      | ○       |         | 11.705                 | 6.89  | 3.6  | 2.8 | 0.8 | 通用性能较好<br>Good general performance                                           |
|                       | APMT180612-JC        |        | ○      | ●       | ○       | 18.78                  | 11.07 | 6.35 | 4.4 | 1.2 | 能适应大切深<br>Capable of adapting to large cutting depth                         |

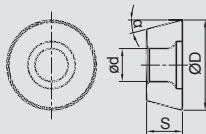
# 铣刀片系列Milling blade series



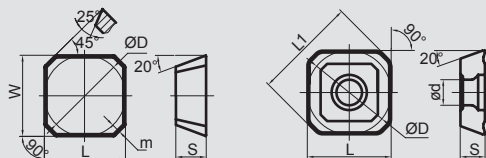
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |      |      |     |     | 槽型说明<br>Slot Description                                        |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|------|------|-----|-----|-----------------------------------------------------------------|
|                       |                      |        |        |         |         | L                      | W    | S    | φd  | r   |                                                                 |
|                       | APKT11T308-PM        |        | ○      | ●       |         | 12.24                  | 6.5  | 3.6  | 2.8 | 0.8 | 通用 be current                                                   |
|                       | APKT160408-PM        |        | ○      | ●       |         | 17.877                 | 9.33 | 5.76 | 4.4 | 0.8 | 通用 be current                                                   |
|                       | APKT150412-MM        |        | ○      | ●       | ○       | 15.875                 | 12.7 | 4.76 | 5.4 | 1.2 | 更适合大切深、侧铣More suitable for large cutting depth and side milling |



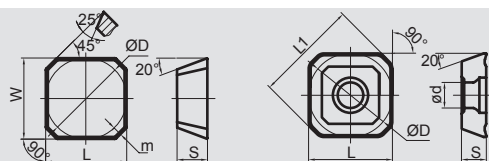
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |     |     |    | 槽型说明<br>Slot Description                      |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|-------|-----|-----|----|-----------------------------------------------|
|                       |                      |        |        |         |         | L                      | S     | φd  | α°  | r  |                                               |
|                       | RCKT10T3MO-XM        |        | ○      | ○       | ●       | 10                     | 3.97  | 4.4 | 7°  | 5  | 侧重不锈钢半精铣Stainless steel semiprecision milling |
|                       | RCKT1204MO-XM        |        | ○      | ○       | ●       | 12                     | 4.76  | 4.2 | 7°  | 6  | 侧重不锈钢半精铣Stainless steel semiprecision milling |
|                       | RCKT1606MO-SG        |        | ○      | ○       | ●       | 16                     | 6.35  | 5.6 | 7°  | 8  | 侧重不锈钢粗铣Stainless steel semiprecision milling  |
|                       | RCKT2006MO-XM        |        | ○      | ○       | ●       | 20                     | 6.735 | 5.6 | 7°  | 10 | 侧重不锈钢半精铣Stainless steel semiprecision milling |
|                       | RPMT1003MO-TT        | ●      | ●      |         |         | 10                     | 3.18  | 4.4 | 11° | 5  | 通用 be current                                 |
|                       | RPMT1003MO-HR        | ●      | ●      |         |         | 10                     | 3.18  | 4.4 | 11° | 5  | 通用通用 be current                               |
|                       | RPEW1204MO           |        | ○      | ●       |         | 12                     | 4.76  | 4.4 | 11° | 6  | 通用通用 be current                               |
|                       | RPKT1204MOT23-XM     |        | ○      | ●       |         | 12                     | 4.76  | 4.4 | 11° | 6  | 通用通用 be current                               |
|                       | RPKT08T2MO-JS        |        | ○      | ●       |         | 8                      | 2.78  | 3.4 | 11° | 4  | 适合半精铣Semi precision milling                   |
|                       | RPMT10T3MO-JS        |        | ○      | ●       |         | 10                     | 3.97  | 4.4 | 11° | 5  | 适合粗、半精铣Semi precision milling                 |
|                       | RPMT1204MO-JS        |        | ○      | ●       |         | 12                     | 4.76  | 4.4 | 11° | 6  | 适合粗、半精铣Semi precision milling                 |
|                       | RPMT1204MO-HR        | ●      | ●      |         |         | 12                     | 4.76  | 4.4 | 11° | 6  | 适合粗、半精铣Semi precision milling                 |
|                       | RPMT1204MO-TT        | ●      | ●      |         |         | 12                     | 4.76  | 4.4 | 11° | 6  | 适合粗、半精铣Semi precision milling                 |



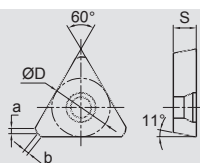
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |      |     |     |   | 槽型说明<br>Slot Description                                             |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|------|-----|-----|---|----------------------------------------------------------------------|
|                       |                      |        |        |         |         | L                      | S    | φd  | α°  | r |                                                                      |
|                       | RPKT08T3MO-XF1       |        | ○      |         | ●       | 8                      | 2.78 | 3.4 | 11° | 4 | 不锈钢精、半精铣Stainless steel semiprecision milling                        |
|                       | RPKT10T3MO-XM1       |        | ○      |         | ●       | 10                     | 3.97 | 4.4 | 11° | 5 | 不锈钢粗、半精铣Stainless steel semiprecision milling                        |
|                       | RPHX10T3MO-D57       |        | ○      |         | ●       | 10                     | 3.97 | 4.4 | 11° | 5 | 粘性材料半精、精铣Stainless steel semiprecision milling                       |
|                       | RPHX1204MO-D57       |        | ○      |         | ●       | 12                     | 4.76 | 4.4 | 11° | 6 | 粘性材料粗、半精铣Stainless steel semiprecision milling                       |
|                       | RDKW10T3MOT22        |        | ○      | ●       |         | 10                     | 3.97 | 4.4 | 15° | 5 | 通用 be current                                                        |
|                       | RDKW1204MO           |        | ○      | ●       |         | 12                     | 4.76 | 4.4 | 15° | 6 | 通用 be current                                                        |
|                       | RDKW1604MOT22        | ○      | ○      | ●       |         | 16                     | 4.76 | 5.4 | 15° | 8 | 通用 be current                                                        |
|                       | RDEW1606MOS15        |        | ○      |         | ●       | 16                     | 6.35 | 5.4 | 15° | 8 | 通用 be current                                                        |
|                       | RDMT1204MO-MM        | ●      | ●      |         |         | 12                     | 4.76 | 4.4 | 15° | 6 | 通用 be current                                                        |
|                       | RDKT1204MOT22-XM     |        | ○      | ●       |         | 12                     | 4.76 | 4.4 | 15° | 6 | 通用，更适合粘、软性材料<br>Universal and suitable for sticky and soft materials |



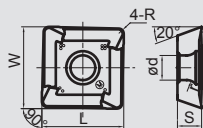
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |        |      |     |       | 槽型说明<br>Slot Description                  |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|--------|------|-----|-------|-------------------------------------------|
|                       |                      |        |        |         |         | L                      | φD     | S    | φd  | m     |                                           |
|                       | SEEN1203AZS30N       | ○      | ○      | ●       | ○       | 12.7                   | 12.7   | 3.18 |     |       | 通用 be curren                              |
|                       | SEEN1504AFT31N       | ○      | ○      | ●       | ○       | 15.875                 | 15.875 | 4.76 |     | 2.353 | 通用 be curren                              |
|                       | SEET12T3-GF          |        | ○      | ●       |         | 13.4                   | 13.4   | 3.97 | 4.1 | 1.5   | 钢材精加工<br>Steel precision milling          |
|                       | SEET12T3-GM          |        | ○      | ●       |         | 13.4                   | 13.4   | 3.97 | 4.1 | 1.5   | 钢材半精加工<br>Semi precision milling of steel |
|                       | SEET12T3-GR          |        | ○      | ●       |         | 13.4                   | 13.4   | 3.97 | 4.1 | 1.5   | 钢材粗加工<br>Rough milling of steel           |
|                       | SEET12T3-ZF          | ●      |        |         |         | 13.4                   | 13.4   | 3.97 | 4.1 | 1.5   | 铸铁精加工<br>Precision milling of cast iron   |



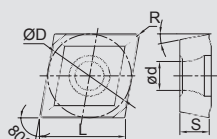
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |      |     |     | 槽型说明<br>Slot Description                                   |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|-------|------|-----|-----|------------------------------------------------------------|
|                       |                      |        |        |         |         | L                      | φD    | S    | φd  | m   |                                                            |
|                       | SEET12T3-ZM          | ●      |        |         |         | 13.4                   | 13.4  | 3.97 | 4.1 | 1.5 | 铸铁半精加工<br>Precision milling of cast iron                   |
|                       | SEET12T3-ZR          | ●      |        |         |         | 13.4                   | 13.4  | 3.97 | 4.1 | 1.5 | 铸铁粗加工<br>Precision milling of cast iron                    |
|                       | SEET12T3-MM          |        | ○      | ●       |         | 13.4                   | 13.4  | 3.97 | 4.1 | 1.5 | 通用 be curren                                               |
|                       | SEET12T3-PM          |        | ○      | ●       |         | 13.4                   | 13.4  | 3.97 | 4.1 | 1.5 | 钢、不锈钢半精铣Steel and stainless steel semi precision milling   |
|                       | SEET12T3M-PM         |        | ○      | ●       |         | 13.4                   | 13.4  | 3.97 | 4.1 | 1.5 | 铸铁、钢半精铣Semi precision milling of cast iron and steel       |
|                       | SEET12T3K-MM         |        | ●      | ○       | ○       | 13.4                   | 13.4  | 3.97 | 4.1 | 1.5 | 不锈钢半精铣Stainless steel semiprecision milling                |
|                       | SEKT12T3AFTN-TT      |        | ○      | ○       |         | 13.2                   | 13.2  | 3.8  | 4.4 |     | 钢、不锈钢半精铣Steel and stainless steel semi precision milling   |
|                       | SEKT1204AFTN-XM      |        | ○      | ○       |         | 12.7                   | 12.7  | 4.76 | 5.5 |     | 钢、不锈钢半精铣Steel and stainless steel semi precision milling   |
|                       | SEMT1706AFN-XM       | ○      |        | ●       |         | 17.94                  | 17.94 | 6.1  | 5.8 | 2.5 | 钢粗、半精铣Steel roughmilling and semi precision milling        |
|                       | ODMW040408ADS23      |        | ○      | ●       | ●       | 5.3                    | 12.8  | 4.76 | 4.4 |     | 钢、不锈钢粗、半精铣Steel and stainless steel semi precision milling |



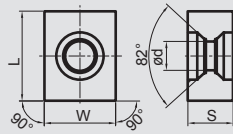
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |      |     |      | 槽型说明<br>Slot Description                |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|-------|------|-----|------|-----------------------------------------|
|                       |                      |        |        |         |         | L                      | φD    | S    | a   | b    |                                         |
|                       | TPCW2204PPR          | ○      |        | ●       |         | 22                     | 12.7  | 4.76 | 1.4 | 0.7  | 钢普通铣<br>Steel ordinary milling          |
|                       | TPCW2204PPL          | ○      |        | ●       |         | 22                     | 12.7  | 4.76 | 1.4 | 0.7  | 钢普通铣<br>Steel ordinary milling          |
|                       | TPKN1603PDQ21R       | ○      |        | ●       |         | 16.5                   | 9.525 | 3.18 | 1.2 | R0.8 | 刃口特殊处理Special treatment of cutting edge |
|                       | TPKN1603PDQ21R       | ○      |        | ●       |         | 16.5                   | 9.525 | 3.18 | 1.2 | R0.8 | 刃口特殊处理Special treatment of cutting edge |
|                       | TPKN2204PDQ32R       | ○      |        | ●       | ○       | 22                     | 12.7  | 4.76 | 1.4 | R0.8 | 刃口特殊处理Special treatment of cutting edge |
|                       | TPKN2204PDQ32L       | ○      |        | ●       | ○       | 22                     | 12.7  | 4.76 | 1.4 | R0.8 | 刃口特殊处理Special treatment of cutting edge |



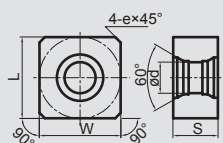
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |      |     |     |     | 槽型说明<br>Slot Description                           |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|------|-----|-----|-----|----------------------------------------------------|
|                       |                      |        |        |         |         | L                      | S    | φd  | α°  | r   |                                                    |
|                       | SEET09T308PER-PR     | ○      | ○      | ●       |         | 9.525                  | 4.01 | 3.3 | 20° | 0.8 | 粗加工Rough milling                                   |
|                       | SEMT1203PER-EM       | ○      | ○      | ●       |         | 13.308                 | 4.07 | 4.1 | 20° | 0.8 | 通用be curren                                        |
|                       | SEMT13T308-XM        | ○      | ○      | ●       |         | 13.56                  | 3.97 | 5.8 | 20° | 0.8 | 通用be curren                                        |
|                       | SEMT13T320-XR        | ○      | ○      | ●       | ○       | 13.56                  | 3.97 | 5.8 | 20° | 2   | 粗、半精铣Steel roughmilling and semi precision milling |
|                       | SCKT09T308EN-41      |        | ○      | ○       | ●       | 9.525                  | 3.97 | 4.4 | 7°  | 0.8 | 粗、半精铣Steel roughmilling and semi precision milling |
|                       | SPMT120408-XM7       | ○      | ○      | ●       |         | 12.7                   | 4.76 | 5.5 | 11° | 0.8 | 粗、半精铣Steel roughmilling and semi precision milling |



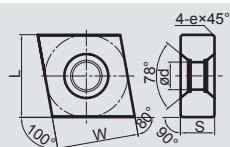
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |        |      |      |     | 槽型说明<br>Slot Description                |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|--------|------|------|-----|-----------------------------------------|
|                       |                      |        |        |         |         | L                      | W      | S    | φd   | r   |                                         |
|                       | CCMT060204           |        |        | ○       |         | 6.4                    | 6.35   | 2.38 | 2.8  | 0.4 | 适合整刃切削Suitable for overall edge cutting |
|                       | CPMT080204Z          |        |        | ○       |         | 8.1                    | 7.94   | 2.38 | 2.8  | 0.4 | 适合整刃切削Suitable for overall edge cutting |
|                       | CPMT090204Z          |        |        | ○       |         | 9.7                    | 9.525  | 2.38 | 4.4  | 0.4 | 适合整刃切削Suitable for overall edge cutting |
|                       | CPMT090308           |        |        | ○       |         | 9.7                    | 9.525  | 3.18 | 4.4  | 0.8 | 适合整刃切削Suitable for overall edge cutting |
|                       | CPMT120308Z          |        |        | ○       |         | 12.9                   | 12.7   | 3.18 | 4.4  | 0.8 | 适合整刃切削Suitable for overall edge cutting |
|                       | CPMT120408           |        |        | ○       |         | 12.9                   | 12.7   | 4.76 | 5.4  | 0.8 | 适合整刃切削Suitable for overall edge cutting |
|                       | CPMT160408Z          |        |        | ○       |         | 16.1                   | 15.875 | 4.76 | 5.56 | 0.8 | 适合整刃切削Suitable for overall edge cutting |



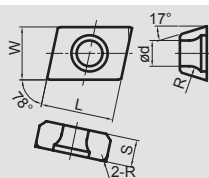
| 刀片图<br>Insert picture | 刀片型号<br>Insert model | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |      |     |           | 槽型说明<br>Slot Description                             |
|-----------------------|----------------------|--------|--------|---------|---------|------------------------|-------|------|-----|-----------|------------------------------------------------------|
|                       |                      |        |        |         |         | L                      | W     | S    | φd  | 特征值       |                                                      |
|                       | LNEJ150904-4R3.0H    | ○      | ○      | ●       | ○       | 15.875                 | 9.525 | 4.76 | 4.4 | 4-R3.0H   | 通用 be curren                                         |
|                       | LNED150904-4R04-H    | ○      | ○      | ●       | ○       | 15.875                 | 9.525 | 4.76 | 4.4 | 4-R0.4    | 通用 be curren                                         |
|                       | LNER151207           | ○      | ○      | ●       | ○       | 15.875                 | 12.7  | 7.94 | 5.4 |           | 通用 be curren                                         |
|                       | LNEN151206-4R50H     | ○      | ○      | ●       | ○       | 15.875                 | 12.7  | 6.35 | 5.4 | 4-R5.0    | 通用 be curren                                         |
|                       | LNER191406           | ○      | ○      | ●       | ○       | 19.05                  | 14.29 | 6.35 | 5.4 |           | 通用 be curren                                         |
|                       | LNED191405-2R25M23   | ○      | ○      | ●       | ○       | 19.05                  | 14.29 | 5    | 5.4 | 2-R2.5M23 | 通用 be curren                                         |
|                       | LNER191408-2R35A20   | ○      | ○      | ●       | ○       | 19.05                  | 14.29 | 8.5  | 5.4 | 2-R35A20  | 通用 be curren                                         |
|                       | LNEL281409-400       | ○      | ○      | ●       | ○       | 28.575                 | 14.29 | 9.52 | 5.4 |           | 通用 be curren                                         |
|                       | LNED150904-4A8R      | ○      | ○      | ●       | ○       | 15.875                 | 9.525 | 4.76 | 4.4 | 4-A8R     | 通用 be curren                                         |
|                       | LNED150904-4A8L      | ○      | ○      | ●       | ○       | 15.875                 | 9.525 | 4.76 | 4.4 | 4-A8L     | 通用 be curren                                         |
|                       | LNEN151207-4A5R      | ○      | ○      | ●       | ○       | 15.875                 | 12.7  | 7.94 | 5.4 | 4-A5R     | 通用 be curren                                         |
|                       | LNER191406-YCE       | ○      | ○      | ●       | ○       | 19.05                  | 14.29 | 6.35 | 5.4 |           | 通用 be curren                                         |
|                       | LNEH191406-4A8R      | ○      | ○      | ●       | ○       | 19.05                  | 14.29 | 6.35 | 5.4 | 4-A8R     | 通用 be curren                                         |
|                       | LNER1913A08-4A8R     | ○      | ○      | ●       | ○       | 19.05                  | 13    | 8.5  | 5.4 | 4-A8R     | 通用 be curren                                         |
|                       | LNEH281409-4A8R      | ○      | ○      | ●       | ○       | 28.575                 | 14.29 | 9.52 | 5.4 | 4-A8R     | 通用 be curren                                         |
|                       | LNER191408-4A8R-M    | ○      | ○      | ●       | ○       | 19.05                  | 14.29 | 8.5  | 5.4 | 4-A8R-M   | 较适合粘、软性材料More suitable for sticky and soft materials |
|                       | LNEH231409-4A8R-M    | ○      | ○      | ●       | ○       | 23.99                  | 14.29 | 9.52 | 5.4 | 4-A8R-M   | 较适合粘、软性材料More suitable for sticky and soft materials |
|                       | LNEN2816A09-4A8R-M   | ○      | ○      | ●       | ○       | 28.575                 | 16    | 9.52 | 5.4 | 4-A8R-M   | 较适合粘、软性材料More suitable for sticky and soft materials |
|                       | LNEN2815G09-4A8R-M   | ○      | ○      | ●       | ○       | 28.575                 | 15.7  | 9.52 | 5.4 | 4-A8R-M   | 较适合粘、软性材料More suitable for sticky and soft materials |
|                       | ZNEB191206-DQ        | ○      | ○      | ●       | ○       | 19.05                  | 12.7  | 6.35 | 5.4 | 2-60°     | 通用 be curren                                         |

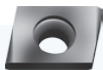


| 刀片图<br>Insert picture | 刀片型号<br>Insert model    | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |        |      |     |          | 槽型说明<br>Slot Description                                 |
|-----------------------|-------------------------|--------|--------|---------|---------|------------------------|--------|------|-----|----------|----------------------------------------------------------|
|                       |                         |        |        |         |         | L                      | W      | S    | φd  | 特征值      |                                                          |
|                       | <b>SNEY090904</b>       | ○      | ○      | ●       | ○       | 9.525                  | 9.525  | 4.76 | 4.4 | 4-R3.0H  | 通用 be current                                            |
|                       | <b>SNED121206</b>       | ○      | ○      | ●       | ○       | 12.7                   | 12.7   | 6.35 | 5.4 | 4-C0.8   | 通用 be current                                            |
|                       | <b>SNEN151507-408</b>   | ○      | ○      | ●       | ○       | 15.875                 | 15.875 | 7.94 | 5.4 | 4-C0.8   | 通用 be current                                            |
|                       | <b>SNEH151507-406-M</b> | ○      | ○      | ●       | ○       | 15.875                 | 15.875 | 7.94 | 5.4 | 4-C0.6-M | 较适合粘、软性材料<br>More suitable for sticky and soft materials |



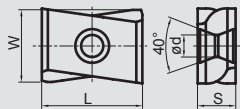
| 刀片图<br>Insert picture | 刀片型号<br>Insert model      | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |      |     |           | 槽型说明<br>Slot Description                                 |
|-----------------------|---------------------------|--------|--------|---------|---------|------------------------|-------|------|-----|-----------|----------------------------------------------------------|
|                       |                           |        |        |         |         | L                      | W     | S    | φd  | 特征值       |                                                          |
|                       | <b>CNED120904-405</b>     | ●      | ○      | ○       | ○       | 12.7                   | 9.525 | 4.76 | 5.4 | 4-C0.5    | 通用 be current                                            |
|                       | <b>CNEF121206-405</b>     | ○      | ○      | ●       | ○       | 12.7                   | 12.7  | 6.35 | 5.4 | 4-C0.5    | 通用 be current                                            |
|                       | <b>CNEL1211A06-405</b>    | ○      | ○      | ●       | ○       | 12.7                   | 11.11 | 6.35 | 5.4 | 4-C0.5    | 通用 be current                                            |
|                       | <b>CNEF161406-408</b>     | ○      | ○      | ●       | ○       | 16.3                   | 14.29 | 6.35 | 5.4 | 4-C0.8    | 通用 be current                                            |
|                       | <b>CNER1212A06-4R05-M</b> | ○      | ○      | ●       | ○       | 12.7                   | 12    | 6.35 | 5.4 | 4-R0.5-M  | 较适合粘、软性材料<br>More suitable for sticky and soft materials |
|                       | <b>CNEF161406-2M</b>      | ○      | ○      | ●       | ○       | 16.3                   | 14.29 | 6.35 | 5.4 | 2M        | 较适合粘、软性材料<br>More suitable for sticky and soft materials |
|                       | <b>CNER16A12A06-2M</b>    | ○      | ○      | ●       | ○       | 16                     | 12    | 6.35 | 5.4 | 4-R0.8-2M | 较适合粘、软性材料<br>More suitable for sticky and soft materials |
|                       | <b>CQEH141406-R02R</b>    | ○      | ○      | ●       | ○       | 14.29                  | 14.29 | 6.35 | 5.4 | R02R      | 通用 be current                                            |



| 刀片图<br>Insert picture                                                               | 刀片型号<br>Insert model | AKO102 AKO202 AKW 203 AKW 204 |   |   |  |   | 外形尺寸Overall dimensions |       |      |     |         | 槽型说明<br>Slot Description |
|-------------------------------------------------------------------------------------|----------------------|-------------------------------|---|---|--|---|------------------------|-------|------|-----|---------|--------------------------|
|                                                                                     |                      |                               |   |   |  |   | L                      | W     | S    | φd  | 特征值     |                          |
|    | FQEU141206-R03R      | ○                             | ○ | ● |  | ○ | 14.29                  | 12.7  | 6.35 | 5.4 | R03R    | 通用 be curren             |
|    | FQEW221406-R04R      | ○                             | ○ | ● |  | ○ | 22.8                   | 14.29 | 6.35 | 5.4 | R04R    | 通用 be curren             |
|    | FQES190906-203R      | ○                             | ○ | ● |  | ○ | 19.05                  | 9.525 | 6.35 | 4.4 | 2-C0.3  | 通用 be curren             |
|    | FQEP120904-210L      | ○                             | ○ | ● |  | ○ | 12.7                   | 9.525 | 4.76 | 4.4 | 2-C1.0L | 通用 be curren             |
|                                                                                     | FQEP120904-210R      | ○                             | ○ | ● |  | ○ | 12.7                   | 9.525 | 4.76 | 4.4 | 2-C1.0R | 通用 be curren             |
|  | FQEP120904-2R05L     | ○                             | ○ | ● |  | ○ | 12.7                   | 9.525 | 4.76 | 4.4 | 2-R0.5L | 通用 be curren             |
|                                                                                     | FQEP120904-2R11L     | ○                             | ○ | ● |  | ○ | 12.7                   | 9.525 | 4.76 | 4.4 | 2-R1.1L | 通用 be curren             |



# 重力铣刀片系列Gravity milling blade series



| 刀片图                                                                                 | 刀片型号              | AKO102 | AKO202 | AKW 203 | AKW 204 | 外形尺寸Overall dimensions |       |      |     |        | 槽型说明                          |
|-------------------------------------------------------------------------------------|-------------------|--------|--------|---------|---------|------------------------|-------|------|-----|--------|-------------------------------|
|                                                                                     |                   |        |        |         |         | L                      | W     | S    | φd  | 特征值    |                               |
|    | XNKD131206-XR     | ○      |        | ○       | ●       | 13.5                   | 12.7  | 6.35 | 4.4 | 2-R2.0 | 减小切削力<br>Reduce cutting force |
|    | XNKJ121206-XR     | ○      |        | ○       | ●       | 12.7                   | 12.7  | 6.35 | 4.4 | 4-R0.8 | 减小切削力<br>Reduce cutting force |
|    | XNKR1514C06-XR    | ○      |        | ○       | ●       | 15.875                 | 14.05 | 6.35 | 4.4 | 4-R1.2 | 减小切削力<br>Reduce cutting force |
|    | XNKR15A1607E-XR   | ○      |        | ○       | ●       | 15                     | 16.3  | 7.6  | 5.4 | 4-R0.8 | 减小切削力<br>Reduce cutting force |
|                                                                                     | XNKR18A17A07E-XR  | ○      |        | ○       | ●       | 18                     | 17    | 7.6  | 5.4 | 4-R0.7 | 减小切削力<br>Reduce cutting force |
|  | XNKY251809-XR2    | ○      |        | ○       | ●       | 25                     | 18    | 9.52 | 5.4 | 4-X    | 减小切削力                         |
|  | XNMX16A12C07F-XR  | ○      |        | ○       | ●       | 16                     | 12.8  | 7.5  | 4.4 | 2-R2.0 | 减小切削力<br>Reduce cutting force |
|                                                                                     | XNMX16A12C07F-XR2 | ○      |        | ○       | ●       | 16                     | 12.8  | 7.5  | 4.4 | 2-R5.0 | 减小切削力<br>Reduce cutting force |

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