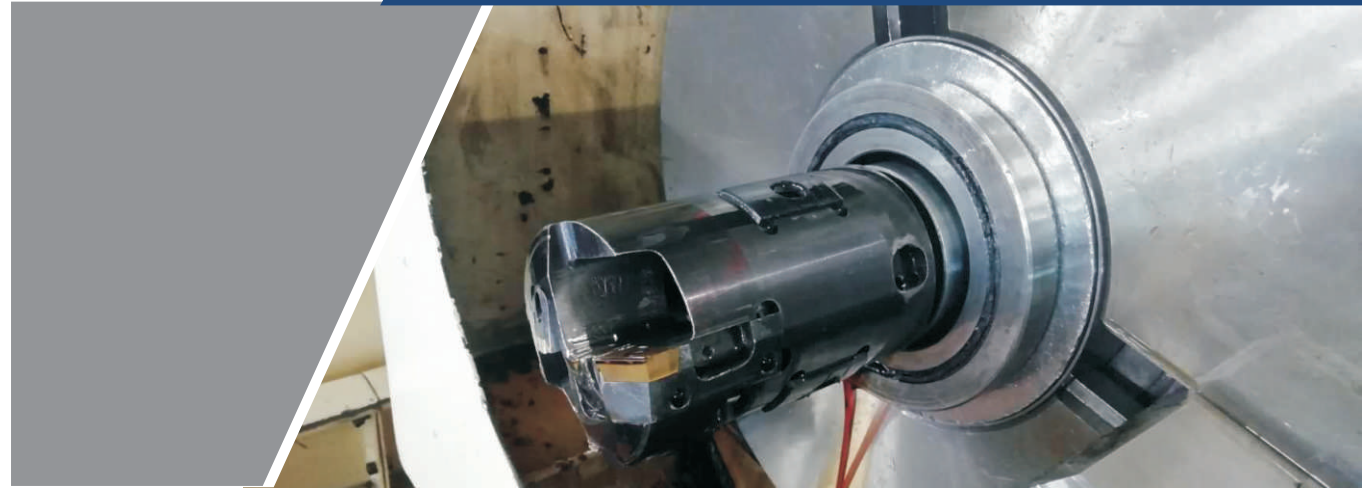


2024

Deep-hole Drilling Insert



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Address:

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(China

Power Valley) , No. 899, XianYue Huan road, TianYuan District,
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Telephone: +86-22283721 7*24 Service line: +86-17769333721

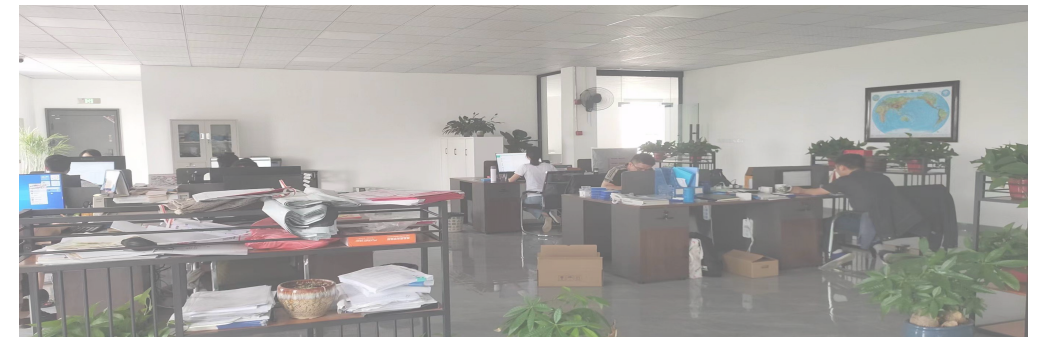
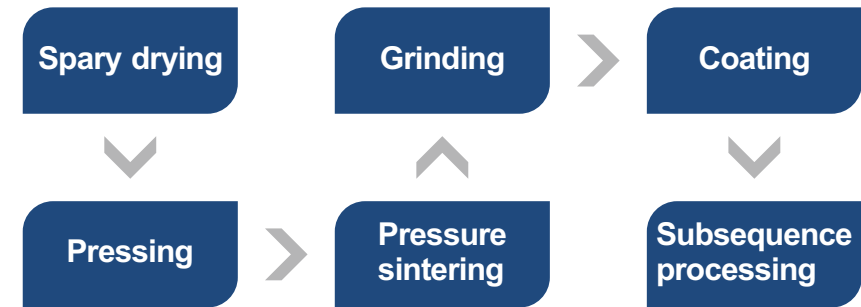
株洲大有新材料有限公司
ZHUSHOU OTOMO ADVANCED MATERIAL CO.,LTD



ABOUT OTOMO

Located in Zhuzhou China, where a city famous for its tungsten carbide industry, we, Zhuzhou OTOMO Advanced Material Co., Ltd, a Manufacturers Representative Company which has devoted 10 years to overseas market and has a full line supply chain of CNC cutting tools. Our company has a young but dedicated and professional staff group. Our main managements were worked for famous cutting tools factories as technical engineers. The company's tools are mainly applied in the automobile manufacturing industry, mold manufacturing industry, defense industry, steel manufacturing industry, and other special fields. As a developing enterprise, ZHUZHOU OTOMO has always adhered to a high starting point with high standards, and we make every piece of our products in high performance and take every requirements of our customers' seriously. Meanwhile, we can tailored kinds of customized carbide tools according to clients' requirements. Now OTOMO products exported to more than 80 countries and regions of the world.

This is where working with a trusted cutting tool & metals supplier who can help to ensure that your requests are covered. By gathering insight from the right individuals and department representatives, accurately calculating the costs and choosing the right cutting tools & accessories & metals, we can ensure that your investment and its outcome will be well worth it.





| | | |
|----------|-------------------------------|---|
| A | 钻削刀片 Drilling inserts | - |
| B | 特殊领域 Special field processing | - |



PVD涂层介绍 PVD coated cemented carbide

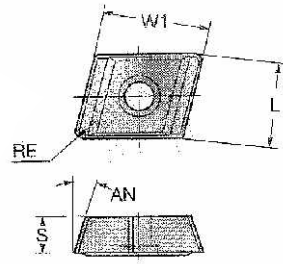
| Grade | Description | Equivalent to ISO |
|---------|---|---------------------------------|
| 0T03025 | 2-4um TiAlN PVDcoated,combinating with ultra fine particles,substrates with high-toughness, suitable for all materials,stainless steel, steel, cast alloy in finishing,semi-finishing | P10-P25/ K15-K30 |
| 0T03225 | 2-4um AlCr + AlCrSiN PVD coating, combined with ultra-fine particle matrix, has high wear resistance, suitable for finishing and semi-finishing of heat-treated steel ,stainless steel and quenched steel | P10-P25/ K15-K30/ M10-M25 |
| 0T03330 | 2-4um TiAlN + TiN PVDcoated,combinating with fine particles,substrates with high-toughness, suitable for all materials,high-temperature alloy Ti alloy in semi-finishing,roughing | P20-P35/ K20-K35 |

CVD涂层介绍 CVD coated cemented carbide

| Grade | Description | Equivalent to ISO |
|---------|---|-------------------|
| 0T01025 | MT-CVD coated, Cutting edge with good toughness in combination with TiCN+Al2O3(thick)+TiN multi-layer coating, which is suitable for semi-finishing of steel. | P10-P25 |
| 0T01125 | Special strength toughness of the insert substrates,perfect combinations with MT-TiCN,ultra fine Al2O3,coatings ,common grade for steel,suitable for steel,cast iron,stainless steel in semi-finishing,finishing. | P10-P25 |

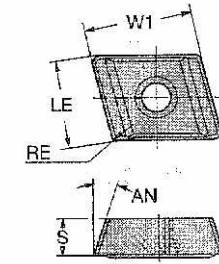
CoroDrill 800^R Insert for drilling

Central insert



| 形状 Shape | 型号 Type | PVD涂层 coating | | | AN | |
|-------------|------------|-------------------|---------|---------|----|-----|
| | | OTO3025 | OTO3225 | OTO3330 | | |
| | 05 | 800-05 03 08M-C-G | ● | ● | ● | 17° |
| | 06 | 800-06 T3 08M-C-G | ● | ● | ● | 17° |
| | 08 | 800-08 T3 08M-C-G | ● | ● | ● | 17° |
| | 10 | 800-10 T3 08M-C-G | ● | ● | ● | 17° |
| | 12 | 800-12 T3 08M-C-G | ● | ● | ● | 17° |
| | | | | | | 17° |
| | 05 | 800-05 03 08M-C-L | ● | ● | ● | |
| | 06 | 800-06 T3 08M-C-L | ● | ● | ● | 17° |
| | 08 | 800-08 T3 08M-C-L | ● | ● | ● | 17° |
| | 10 | 800-10 T3 08M-C-L | ● | ● | ● | 17° |
| | 12 | 800-12 T3 08M-C-L | ● | ● | ● | 17° |

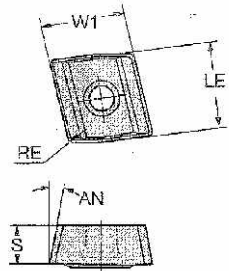
Intermediate insert





| 形状 Shape | 型号 Type | PVD涂层 coating | | | AN | |
|-------------|------------|-------------------|---------|---------|----|-----|
| | | OTO3025 | OTO3225 | OTO3330 | | |
| | 05 | 800-05 03 08M-I-G | ● | ● | ● | 17° |
| | 06 | 800-06 T3 08M-I-G | ● | ● | ● | 17° |
| | 08 | 800-08 T3 08M-I-G | ● | ● | ● | 17° |
| | 12 | 800-12 T3 08M-I-G | ● | ● | ● | 17° |
| | 05 | 800-05 03 08M-I-L | ● | ● | ● | 17° |
| | 06 | 800-06 T3 08M-I-L | ● | ● | ● | 17° |
| | 08 | 800-08 T3 08M-I-L | ● | ● | ● | 17° |
| | 12 | 800-12 T3 08M-I-L | ● | ● | ● | 17° |

CoroDrill 800^R Insert for drilling

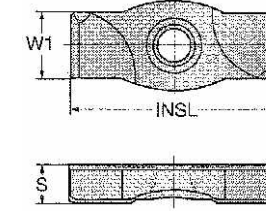
Peripheral insert



| 形状 Shape |  | 型号 Type | PVD涂层 coating | | | AN |
|---|---|-------------------|------------------|---------|---------|-----|
| | | | OTO3025 | OTO3225 | OTO3330 | |
|  | 06 | 800-06 03 08H-P-G | ● | ● | ● | 11° |
| | 06 | 800-06 03 08H-P-L | ● | ● | ● | 11° |
| | 08 | 800-08 T3 08H-P-G | ● | ● | ● | 11° |
| | 08 | 800-08 T3 08H-P-L | ● | ● | ● | 11° |
| | 09 | 800-09 T3 08H-P-G | ● | ● | ● | 11° |
| | 09 | 800-09 T3 08H-P-L | ● | ● | ● | 11° |
| | 11 | 800-11 T3 08H-P-G | ● | ● | ● | 11° |
| | 11 | 800-11 T3 08H-P-L | ● | ● | ● | 11° |

Support pads for CoroDrillTM 800 Solid drill heads

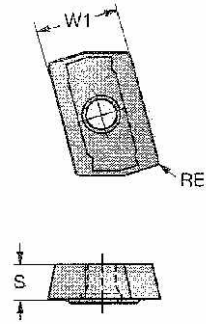
Intermediate insert



| Ordering code | Dimensions,mm,inch | | | | | |
|---------------|--------------------|------|------|-------|-----|------|
| | W1 | W1'' | INSL | INSL' | S | S'' |
| 800-06A | 6 | .236 | 18 | .709 | 3.0 | .118 |
| 800-07A | 7 | .276 | 20 | .787 | 3.5 | .138 |
| 800-08A | 8 | .315 | 25 | .984 | 4.5 | .177 |
| 800-10A | 10 | .394 | 30 | 1.181 | 4.5 | .177 |
| 800-12A | 12 | .472 | 35 | 1.378 | 5.5 | .216 |

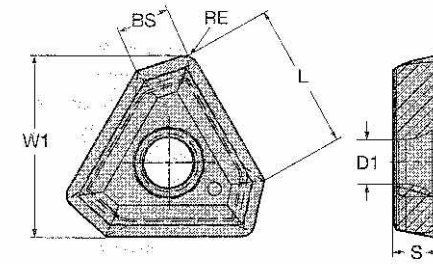
T-MAX^R inserts for 424.10

Peripheral insert



| 形状 Shape | | 型号 Type | PVD涂层 coating | | |
|-------------|--|-----------------------|------------------|---------|---------|
| | | | OTO3025 | OTO3225 | OTO3330 |
| | | 13 R424.9-13 T3 08-22 | ● | ● | ● |
| | | R424.9-13 T3 08-23 | ● | ● | ● |
| | | 18 R424.9-18 06 08-22 | ● | ● | ● |
| | | R424.9-18 06 08-22 | ● | ● | ● |
| | | 13 R424.9-13 T3 08-24 | ● | ● | ● |
| | | 18 R424.9-18 06 08-24 | ● | ● | ● |
| | | | | | |
| | | | | | |

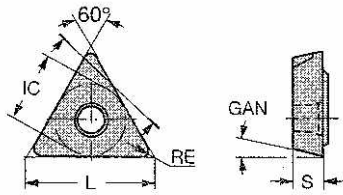
TPGX insert for drilling



| 形状 Shape | | 型号 Type | PVD涂层 coating | | |
|-------------|--|-----------------------|------------------|---------|---------|
| | | | OTO3025 | OTO3225 | OTO3330 |
| | | 14 TPGX 14 03 08R/L-G | ● | ● | ● |
| | | TPGX 14 03 08R/L-L | ● | ● | ● |
| | | 17 TPGX 17 04 08R/L-G | ● | ● | ● |
| | | TPGX 17 04 08R/L-L | ● | ● | ● |
| | | 24 TPGX 24 05 12R/L-G | ● | ● | ● |
| | | TPGX 24 05 12R/L-L | ● | ● | ● |
| | | 28 TPGX 28 07 16R/L-G | ● | ● | ● |
| | | TPGX 28 07 16R/L-L | ● | ● | ● |

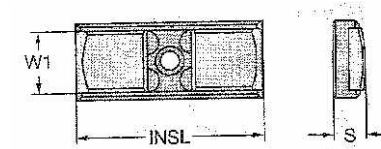
T-MaxR insert for drilling

Central and intermediate insert



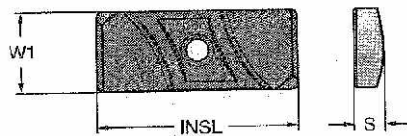
| 形状 Shape | | 型号 Type | PVD涂层 coating | | | |
|-------------|----|--------------------|-------------------|---------|---------|---|
| | | | OTO3025 | OTO3225 | OTO3330 | |
| | 16 | TPMT 16 T3 12R-22 | ● | ● | ● | |
| | | TPMT 16 T3 12TR-23 | ● | ● | ● | |
| | | 22 | TPMT 22 06 12R-22 | ● | ● | ● |
| | | TPMT 22 06 12TR-23 | ● | ● | ● | |
| | | | | | | |
| | | | | | | |

Support pads for CoroDrill[®] 801, CoroDrill 818[®] and T-MAX 424.10



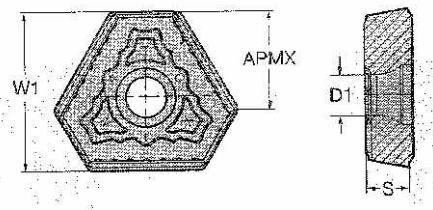
| Drill head dia. | Support pads | Dimensions, mm, inch | | | | | |
|-------------------------|------------------|----------------------|-------|------|-------|-----|-------|
| | | W1 | W1'' | INSL | INSL' | S | S'' |
| 63.5-71.99(2.480-2.952) | 430.32-12 D65.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| | 430.32-12 D70.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| 75.0-84.99(2.953-3.346) | 430.32-12 D75.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| | 430.32-12 D80.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| 85.0-99.99(3.346-3.936) | 430.32-12 D85.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| | 430.32-12 D90.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| 100-109.99(3.937-4.330) | 430.32-12 D95.0 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| | 430.32-16 D100.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| 110-119.99(4.331-4.724) | 430.32-16 D105.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| | 430.32-16 D110.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| 120-129.99(4.724-5.118) | 430.32-16 D115.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| | 430.32-16 D120.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| 130-139.99(5.118-5.511) | 430.32-16 D125.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| | 430.32-16 D130.0 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |


A 深孔钻削 Deep Hole drilling



| Drill head dia. | Support pads | Dimensions,mm,inch | | | | | |
|-------------------------|--------------|--------------------|-------|------|-------|-----|-------|
| | | W1 | W1" | INSL | INSL' | S | S" |
| 63.5-74.99(2.480-2.952) | 800-14 D065 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| 75.0-84.99(2.953-3.346) | 800-16 D075 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.276 |
| 85.0-99.99(3.346-3.936) | 800-18 D085 | 14 | 0.551 | 35 | 1.379 | 7.0 | 0.335 |
| 100-109.99(3.937-4.330) | 800-20 D100 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.276 |
| 110-119.99(4.331-4.724) | 800-22 D110 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| 120-129.99(4.724-5.118) | 800-24 D120 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |
| 130-139.99(5.118-5.511) | 800-26 D130 | 20 | 0.787 | 50 | 1.969 | 8.5 | 0.335 |

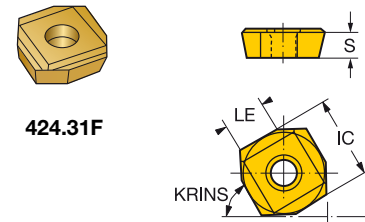
Inserts for CoroDrill[®] 818



| 形状 Shape | 型号 Type | PVD涂层 coating | | | |
|---|------------|------------------|---------|---------|---|
| | | OTO3025 | OTO3225 | OTO3330 | |
|  | 16 | TXN 160408-A | ● | ● | ● |
| | | TXN 160408-G | ● | ● | ● |
| | | TXN 160408-L | ● | ● | ● |
| | 25 | TXN 250408-A | ● | ● | ● |
| | | TXN 250408-G | ● | ● | ● |
| | | TXN 250408-L | ● | ● | ● |
| | 40 | TXN 400708-A | ● | ● | ● |
| | | TXN 400708-G | ● | ● | ● |
| | | TXN 400708-L | ● | ● | ● |

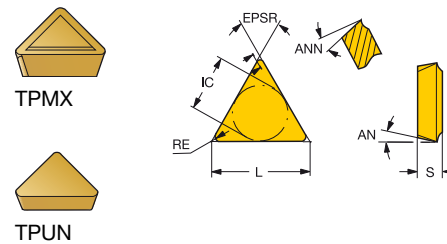
Combined skiving and roller burnishing tools Inserts for T-Max[®] 424.31 and 424.31F

424.31F - close tolerance (IT9)




Hole diameter, mm, inch 43.01-124.00
1.693-4.882
Max cutting depth, 4.5
APMX, mm, inch .177

424.31 - normal tolerance (IT10)



Hole diameter, mm, inch 43.01-124.00
1.693-4.882
Max cutting depth, 12.0 (L = 16)
APMX, mm, inch .472 (L = .630)
17.0 (L = 22)
.669 (L = .866)

| 形状 Shape | 型号 Type | PVD涂层 coating | | |
|---|-------------------|------------------|---------|---------|
| | | OTO3025 | OTO3225 | OTO3330 |
|  | R424.31F-06 T3 00 | ● | ● | ● |



BTA 深孔钻头 Drill heads

25mm-65mm BAT钻头



| 钻头直径 (D) | 中心刀片 (intermediate insert) | 中间刀片 (center insert) | 周边刀片 (peripheral insert) | 导向键 (support pads) |
|------------------|----------------------------|----------------------|--------------------------|--------------------|
| φ25mm-φ28.5mm | 800-050308M-C-G | 800-050308M-I-G | 800-060308H-P-G | 800-06A |
| φ28.6mm-φ31.99mm | 800-06T308M-C-G | 800-050308M-I-G | 800-060308H-P-G | 800-06A |
| φ32mm-33.99mm | 800-06T308M-C-G | 800-06T308M-I-G | 800-08T308H-P-G | 800-07A |
| φ34mm-35mm | 800-08T308M-C-G | 800-06T308M-I-G | 800-08T308H-P-G | 800-07A |
| φ35.1mm-38.99mm | 800-08T308M-C-G | 800-08T308M-I-G | 800-08T308H-P-G | 800-07A |
| φ39mm-φ43mm | 800-08T308M-C-G | 800-08T308M-I-G | 800-09T308H-P-G | 800-08A |
| φ44mm-47mm | 800-10T308M-C-G | 800-08T308M-I-G | 800-09T308H-P-G | 800-08A |
| φ48mm-φ52mm | 800-10T308M-C-G | 800-08T308M-I-G | 800-11T308H-P-G | 800-10A |
| φ53mm-φ56mm | 800-10T308M-C-G | 800-12T308M-I-G | 800-11T308H-P-G | 800-10A |
| φ57mm-59mm | 800-10T308M-C-G | 800-12T308M-I-G | 800-11T308H-P-G | 800-12A |
| φ60mm-φ65mm | 800-12T308M-C-G | 800-12T308M-I-G | 800-11T308H-P-G | 800-12A |

65mm-150mm BAT钻头



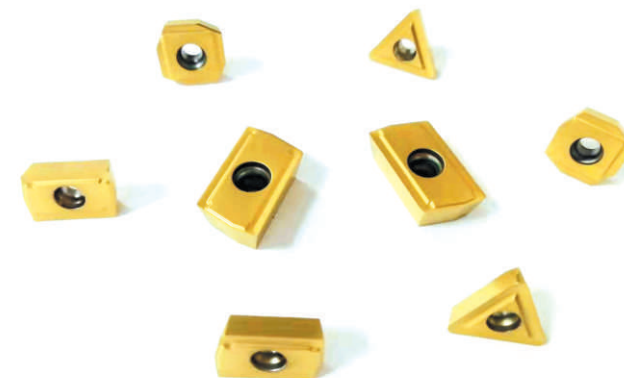
| 钻头直径 (D) | 中心刀片 (intermediate insert) | 中心刀座 (central pocket) | 中间刀片 (center insert) | 中间刀座 (middle pocket) | 外刀片 (peripheral insert) | 外刀座 (peripheral pocket) | 导向键 (support pads) |
|----------|----------------------------|-----------------------|----------------------|----------------------|-------------------------|-------------------------|--------------------|
| 66-75 | 2405RG | 2405TX | 2405RG | 2405TJ | 1704RG | 1704TW | 14×6×55 |
| 76-85 | 2405RG | 2405TX | 2405RG | 2405TJ | 2405RG | 2405TW | 14×7×55 |
| 85-100 | 2405RG | 2405TX | 2405RG | 2405TJ | 2807RG | 2807TW | 14×7×55 |
| 100-110 | 2807RG | 2807TX | 2807RG | 2807TJ | 2405RG | 2405TW | 14×7×55 |
| 110-120 | 2807RG | 2807TX | 2807RG | 2807TJ | 2807RG | 2807TW | 18×9×58 |
| 120-130 | 2405RG | 2405TX | 1704RG | 1704TJ | 2405RG | 2405TW | 18×9×58 |
| 130-150 | 2405RG | 2405TX | 2405RG | 2405TJ | 2405RG | 2405TW | 18×9×58 |

硬质合金刀片 Carbide inserts

φ 25mm-φ 65mm 刀片



φ 65mm-φ 150mm 刀片



A 钻削刀片

| 钻头直径 (D) | 中心刀片 (intermediate insert) | 中间刀片 (center insert) | 周边刀片 (peripheral insert) |
|------------------|----------------------------|----------------------|--------------------------|
| φ25mm-φ28.5mm | 800-050308M-C-G | 800-050308M-I-G | 800-060308H-P-G |
| φ28.6mm-φ31.99mm | 800-06T308M-C-G | 800-050308M-I-G | 800-060308H-P-G |
| φ32mm-33.99mm | 800-06T308M-C-G | 800-06T308M-I-G | 800-08T308H-P-G |
| φ34mm-35mm | 800-08T308M-C-G | 800-06T308M-I-G | 800-08T308H-P-G |
| φ35.1mm-38.99mm | 800-08T308M-C-G | 800-08T308M-I-G | 800-08T308H-P-G |
| φ39mm-φ43mm | 800-08T308M-C-G | 800-08T308M-I-G | 800-09T308H-P-G |
| φ44mm-47mm | 800-10T308M-C-G | 800-08T308M-I-G | 800-09T308H-P-G |
| φ48mm-φ52mm | 800-10T308M-C-G | 800-08T308M-I-G | 800-11T308H-P-G |
| φ53mm-φ56mm | 800-10T308M-C-G | 800-12T308M-I-G | 800-11T308H-P-G |
| φ57mm-59mm | 800-10T308M-C-G | 800-12T308M-I-G | 800-11T308H-P-G |
| φ60mm-φ65mm | 800-12T308M-C-G | 800-12T308M-I-G | 800-11T308H-P-G |

A 钻削刀片

| 钻头直径 (D) | 中心刀片 (intermediate insert) | 中心刀座 (central pocket) | 中间刀片 (center insert) | 中间刀座 (middle pocket) | 外刀片 (peripheral insert) |
|----------|----------------------------|-----------------------|----------------------|----------------------|-------------------------|
| 66-67 | 1704RG | 1704TX | 1704RG | 1704TJ | 2405RG |
| 68-77 | 2405RG | 2405TX | 2405RG | 2405TJ | 1704RG |
| 78-84 | 2405RG | 2405TX | 2405RG | 2405TJ | 2405RG |
| 85-91 | 2405RG | 2405TX | 2405RG | 2405TJ | 2807RG |
| 92-98 | 2807RG | 2807TX | 2807RG | 2807TJ | 2405RG |
| 99-106 | 2807RG | 2807TX | 2807RG | 2807TJ | 2807RG |
| 107-117 | 2405RG | 2405TX | 1704RG | 1704TJ | 2405RG |
| 118-150 | 2405RG | 2405TX | 2405RG | 2405TJ | 2405RG |

| | |
|------------------|----------------|
| R424.9-13T308-22 | TPMT16T312R-22 |
| R424.9-13T308-23 | TPMT16T312R-23 |
| R424.9-180608-22 | TPMT220612R-22 |
| R424.9-180608-23 | TPMT220612R-23 |

A 深孔钻削 Deep Hole drilling

φ25mm-φ130mm(support pads)



| 钻孔直径 (D) | 导向键 (support pads) |
|------------------|--------------------|
| φ25mm-φ28.5mm | 800-06A |
| φ28.6mm-φ31.99mm | 800-06A |
| φ32mm-33.99mm | 800-07A |
| φ34mm-35mm | 800-07A |
| φ35.1mm-38.99mm | 800-07A |
| φ39mm-φ43mm | 800-08A |
| φ44mm-47mm | 800-08A |
| φ48mm-φ52mm | 800-10A |
| φ53mm-φ56mm | 800-10A |
| φ57mm-59mm | 800-12A |
| φ60mm-φ65mm | 800-12A |
| φ65mm-75mm | 800-14D |
| φ75mm-85mm | 800-16D |
| φ85mm-100mm | 800-18D |
| φ100mm-110mm | 800-20D |
| φ110mm-120mm | 800-22D |
| φ120mm-130mm | 800-24D |

滚压刮削头 Skiving and roller burnishing head

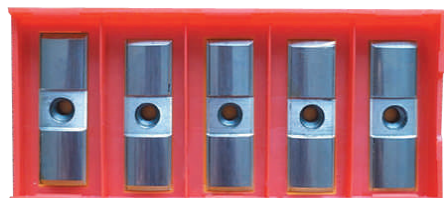


| 名称 | 尺寸 | |
|-------|------|------|
| 液压滚刮头 | φ63 | φ125 |
| | φ70 | φ140 |
| | φ80 | φ180 |
| | φ90 | φ200 |
| | φ100 | φ220 |
| | φ120 | |

A 钻削刀片

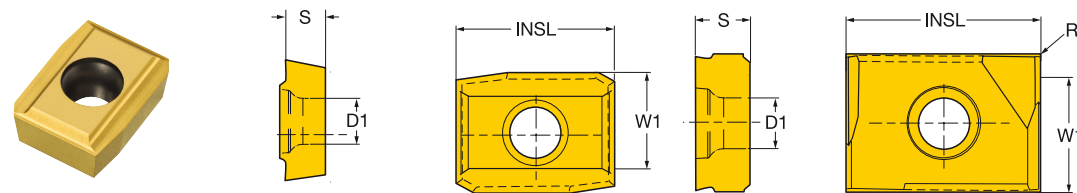
焊接导向键 (Welded support pads)

φ 65mm- φ 150mm 导向键



| 钻头直径 (D) | 导向键 (support pads) |
|------------|--------------------|
| 43.5-60.99 | 45*10*6 |
| 60.5-79.99 | 55*14*6 |
| 80-99.99 | 55*14*7 |
| 100-150 | 58*19*9 |

Inserts for skiving



| | TYPE | Dimensions, mm, inch | | | | | | | | | |
|-----------|------------------------|----------------------|------|------|-------|-----|------|------|------|-------|------|
| | | S | S' | INSL | INSL' | D1 | D1' | RE | RE' | W1 | W1' |
| Finishing | 06 R420.37-06 02 00-01 | 2.38 | .093 | 10 | .394 | 3.1 | .122 | 0.30 | .011 | 7.50 | .295 |
| | 07 R420.37-07 08 00-01 | 3.96 | .156 | 12 | .472 | 3.7 | .146 | 0.30 | .011 | 8.00 | .314 |
| | 11 R420.37-11 12 00-01 | 4.76 | .187 | 17 | .669 | 4.3 | .169 | 0.30 | .011 | 12.00 | .472 |

A 钻削刀片



深孔钻削 Deep Hole drilling



深孔枪钻(Gun drilling)

深孔枪钻

A 钻削刀片



A 钻削刀片

| 直径 (D) | 长度1 (L1) | 长度2 (L2) | 直径 (D) | 长度1 (L1) | 长度2 (L2) |
|--------|----------|-------------|--------|----------|-------------|
| 3.02 | 0-1650mm | 1651-2200mm | 18.52 | 0-1650mm | 1651-2200mm |
| 4.02 | 0-1650mm | 1651-2200mm | 19.02 | 0-1650mm | 1651-2200mm |
| 5.02 | 0-1650mm | 1651-2200mm | 19.52 | 0-1650mm | 1651-2200mm |
| 5.52 | 0-1650mm | 1651-2200mm | 20.02 | 0-1650mm | 1651-2200mm |
| 6.02 | 0-1650mm | 1651-2200mm | 20.52 | 0-1650mm | 1651-2200mm |
| 6.37 | 0-1650mm | 1651-2200mm | 21.02 | 0-1650mm | 1651-2200mm |
| 6.52 | 0-1650mm | 1651-2200mm | 21.52 | 0-1650mm | 1651-2200mm |
| 7.02 | 0-1650mm | 1651-2200mm | 22.02 | 0-1650mm | 1651-2200mm |
| 7.52 | 0-1650mm | 1651-2200mm | 23.02 | 0-1650mm | 1651-2200mm |
| 8.02 | 0-1650mm | 1651-2200mm | 24.02 | 0-1650mm | 1651-2200mm |
| 8.52 | 0-1650mm | 1651-2200mm | 25.02 | 0-1650mm | 1651-2200mm |
| 9.02 | 0-1650mm | 1651-2200mm | 26.02 | 0-1650mm | 1651-2200mm |
| 9.52 | 0-1650mm | 1651-2200mm | 27.02 | 0-1650mm | 1651-2200mm |
| 10.02 | 0-1650mm | 1651-2200mm | 28.02 | 0-1650mm | 1651-2200mm |
| 10.52 | 0-1650mm | 1651-2200mm | 29.02 | 0-1650mm | 1651-2200mm |
| 11.02 | 0-1650mm | 1651-2200mm | 30.02 | 0-1650mm | 1651-2200mm |
| 11.13 | 0-1650mm | 1651-2200mm | 31.02 | 0-1650mm | 1651-2200mm |

A 深孔钻削 Deep Hole drilling

深孔枪钻

| 直径 (D) | 长度1 (L1) | 长度2 (L2) | 直径 (D) | 长度1 (L1) | 长度2 (L2) |
|--------|----------|-------------|--------|----------|-------------|
| 11.52 | 0-1650mm | 1651-2200mm | 32.02 | 0-1650mm | 1651-2200mm |
| 12.02 | 0-1650mm | 1651-2200mm | 33.02 | 0-1650mm | 1651-2200mm |
| 12.52 | 0-1650mm | 1651-2200mm | 34.02 | 0-1650mm | 1651-2200mm |
| 13.02 | 0-1650mm | 1651-2200mm | 35.02 | 0-1650mm | 1651-2200mm |
| 13.52 | 0-1650mm | 1651-2200mm | 36.02 | 0-1650mm | 1651-2200mm |
| 14.02 | 0-1650mm | 1651-2200mm | 37.02 | 0-1650mm | 1651-2200mm |
| 14.3 | 0-1650mm | 1651-2200mm | 38.02 | 0-1650mm | 1651-2200mm |
| 14.52 | 0-1650mm | 1651-2200mm | 39.02 | 0-1650mm | 1651-2200mm |
| 15.02 | 0-1650mm | 1651-2200mm | 40.02 | 0-1650mm | 1651-2200mm |
| 15.52 | 0-1650mm | 1651-2200mm | 41.02 | 0-1650mm | 1651-2200mm |
| 16.02 | 0-1650mm | 1651-2200mm | 42.02 | 0-1650mm | 1651-2200mm |
| 16.52 | 0-1650mm | 1651-2200mm | 43.02 | 0-1650mm | 1651-2200mm |
| 17.02 | 0-1650mm | 1651-2200mm | 44.02 | 0-1650mm | 1651-2200mm |
| 17.52 | 0-1650mm | 1651-2200mm | 45.02 | 0-1650mm | 1651-2200mm |

机夹深孔枪钻

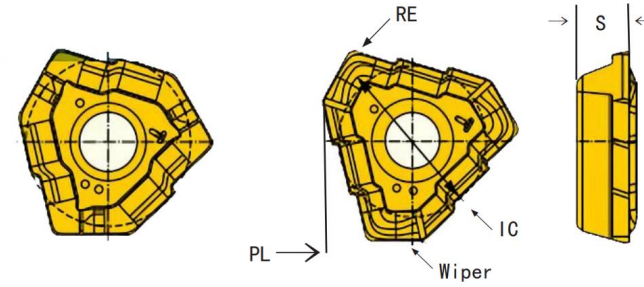



| 钻孔直径范围 | |
|-------------------|-------------------|
| φ14.02mm-φ15.99mm | φ22.02mm-φ22.99mm |
| φ15.02mm-φ15.99mm | φ23.02mm-φ23.99mm |
| φ16.02mm-φ16.99mm | φ24.02mm-φ24.99mm |
| φ17.02mm-φ17.99mm | φ25.02mm-φ25.99mm |
| φ18.02mm-φ18.99mm | φ26.02mm-φ26.99mm |
| φ19.02mm-φ19.99mm | φ27.02mm-φ27.99mm |
| φ20.02mm-φ20.99mm | φ28.02mm-φ28.99mm |
| φ21.02mm-φ21.99mm | |

A 钻削刀片



TOGT-gun drill

Deep Drilling Inserts with 3 Chip Splitting Cutting Edges, a Positive Rake Chipbreaker and a Wiper(+)



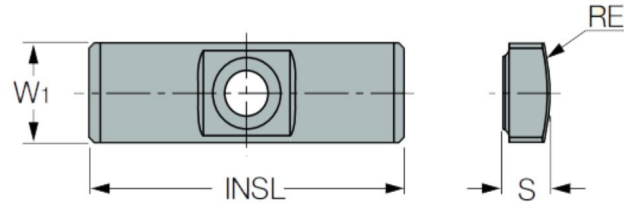
| Pattern | Diameter range | TYPES | di | R | E _{h1} | S | Fig | WRENCH | SCREW |
|---|----------------------------|----------------|-------|------|-----------------|------|-----|--------|-------------|
|  | 14.00-15.99 | TOGT 070304-DT | 7.69 | 0.40 | 1.95 | 2.30 | 1 | T-8 | SR-14-560/S |
| | 16.00-18.00 | TOGT 080305-DT | 8.55 | 0.50 | 2.20 | 0.80 | 1 | T-8 | SR-14-560/S |
| | 18.01-20.00 | TOGT 090305-DT | 8.32 | 0.50 | 3.00 | 3.00 | 2 | T-8 | SR-14-560/S |
| | 20.01-21.99 21.00-21.99 | TOGT 100305-DT | 9.23 | 0.50 | 3.20 | 3.30 | 2 | T-8 | SR-34-506 |
| | 22.00-25.00 | TOGT 110405-DT | 10.40 | 0.50 | 3.40 | 3.80 | 2 | T-15 | SR-14-571/S |
| | 25.01-28.00 | TOGT 120405-DT | 11.59 | 0.50 | 3.60 | 4.30 | 2 | T-15 | SR-14-506 |





| Pattern | Diameter range | TYPES | W1 | RE | PL | S |
|---|----------------|----------------|------|------|------|------|
|  | | ZSGT060204R-DT | 6.00 | 0.40 | 1.80 | 1.50 |
|  | | LOGT060204R-DT | 7.00 | 0.40 | 1.80 | 2.00 |

A 钻削刀片

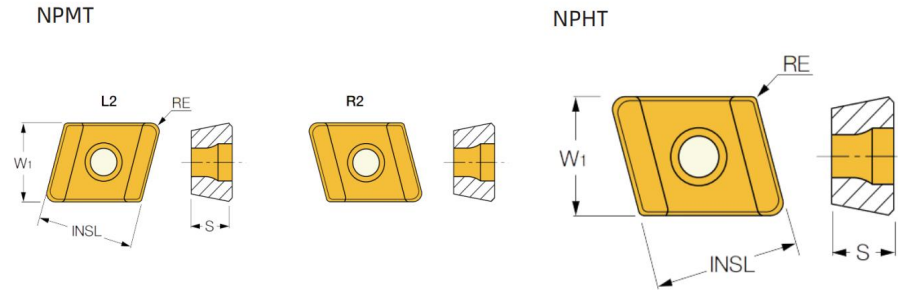
GPS






| Pattern | Diameter range | Types | W1 | RE | INDL | S | wrench | screw |
|---|----------------|---------------|------|------|------|------|--------|----------|
|  | 14.00-15.99 | GPS-04-16-055 | 4.00 | 5.50 | 16.0 | 2.00 | | |
| | 16.00-18.00 | GPS-05-20-075 | 6.00 | 7.50 | 20.0 | 3.00 | | |
| | 18.01-21.00 | GPS-06-20-085 | 6.00 | 8.50 | 20.0 | 3.00 | | |
| | 21.01-28.00 | GPS-06-20-100 | 6.00 | 10.0 | 20.0 | 3.00 | | |
| | 25.01-28.00 | GPS-06-20-120 | 6.00 | 12.0 | 20.0 | 3.00 | T-7 | SR34-508 |
|  | 30.00-39.00 | GPS-07-20-120 | 7.00 | 12.0 | 20.0 | 3.50 | | |
| | 39.01-45.00 | GPS-08-25-155 | 8.00 | 15.5 | 25.0 | 4.50 | | |
| | 45.01-57.00 | GPS-10-30-200 | 10.0 | 20.0 | 30.0 | 4.50 | | |
| | 57.01-65.00 | GPS-10-35-200 | 10.0 | 20.0 | 35.0 | 6.00 | | |
| | | GPS-12-35-250 | 12.0 | 25.0 | 35.0 | 5.50 | | |
| | | GPS-14-40-250 | 14.0 | 25.0 | 40.0 | 7.50 | | |
| | | GPS-18-40-300 | 18.0 | 30.0 | 40.0 | 9.00 | | |

NPMT/NPHT

NPMT-L2/R2 NPMT-R1/2-DT

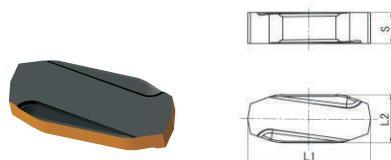


| | Diameter range | 刀片型号 | W1 | RE | INDL | S | | |
|--|----------------|-----------------|------|-------|-------|------|------|--|
|  | 25.00-28.00 | NPHT 06003RG | 6.0 | 0.30 | 8.0 | 3.0 | | |
| | 28.01-29.99 | | | | | | | |
| | 30.22-35.00 | NPHT 07504RG | 7.5 | 0.40 | 10.0 | 4.0 | | |
| | 35.01-38.00 | | | | | | | |
| | 38.01-39.00 | NPHT 09004RG | 9.0 | 0.40 | 10.0 | 4.0 | | |
| | 39.01-41.00 | | | | | | | |
| 41.01-44.00 | | | | | | | | |
| 44.01-45.00 | | | | | | | | |
| 45.01-47.00 | | | | | | | | |
| | 47.01-51.00 | NPHT 11004RG | 11.0 | 0.40 | 10.0 | 4.0 | | |
| | 51.01-54.00 | | | | | | | |
| 54.01-57.00 | | | | | | | | |
| | 57.01-60.00 | | | | | | | |
| | 60.01-64.00 | NPHT 13004RG | 13.0 | 0.40 | 10.0 | 4.0 | | |
| | 64.01-65.00 | | | | | | | |
| | Diameter range | TYPES | W1 | S | INSL | L | RE | |
|   | | NPMT 07504R2-DT | 7.50 | 4.00 | 10.00 | 7.20 | 0.40 | |
| | | NPMT 09504R2-DT | 9.50 | 4.00 | 10.00 | 9.20 | 0.40 | |
| | 25.00-28.00 | NPMT 05503R/L2 | 5.50 | 3.00 | 8.00 | - | 0.30 | |
| | 28.01-29.99 | | | | | | | |
| | 30.00-35.00 | NPMT 06504R/L2 | 6.50 | 4.00 | 10.00 | - | 0.40 | |
| | 35.01-38.00 | | | | | | | |
| | 38.01-39.00 | | | | | | | |
| | 39.01-41.00 | | | | | | | |
| | 41.01-44.00 | NPMT 0804R/L2 | 8.00 | 4.00 | 10.00 | - | 0.80 | |
| | 44.01-45.00 | | | | | | | |
| 45.01-47.00 | | | | | | | | |
| 47.01-51.00 | | | | | | | | |
| 51.01-54.00 | NPMT 09504R/L2 | 9.50 | 4.00 | 10.00 | - | 0.80 | | |
| 54.01-57.00 | | | | | | | | |
| 57.01-60.00 | | | | | | | | |
| 60.01-64.00 | | | | | | | | |
| 64.01-65.00 | NPMT 12504R/L2 | 12.50 | 4.00 | 10.00 | - | 0.40 | | |

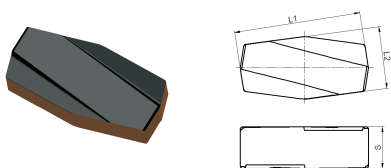
剥皮刀片 (Peeling inserts)

剥皮刀主要用于钢棒钢管等的剥皮及精整，长条剥皮刀，具有四个加工刃，主要用于精加工；三角形剥皮刀主要用于加工表面光洁度要求不高的产品或配合长条形剥皮刀作为粗加工使用。

长条剥皮系列

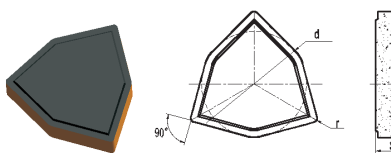


| 型号 | 尺寸(mm) | | | 牌号 | | |
|----------|--------|------|------|---------|---------|---------|
| | L1 | L2 | s | OTO1025 | OTO1125 | OTO3125 |
| LNMF3007 | 30.6 | 12 | 7.8 | ● | ● | ○ |
| LNMF3612 | 36.5 | 23.6 | 12.3 | ● | ● | ○ |

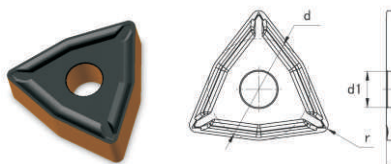


| 型号 | 尺寸(mm) | | | 牌号 | | |
|------------|--------|----|----|---------|---------|---------|
| | L1 | L2 | s | OTO1025 | OTO1125 | OTO3125 |
| LNMX361215 | 36.7 | 18 | 12 | ● | ● | ○ |

三角剥皮系列

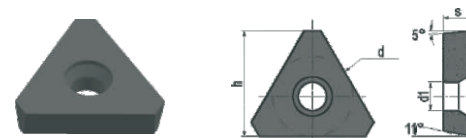


| 型号 | 尺寸(mm) | | | 牌号 | | |
|--------|--------|---|-----|---------|---------|---------|
| | d | s | r | OTO1025 | OTO1125 | OTO3125 |
| TNMF96 | 28.5 | 9 | 1.2 | ● | ● | ○ |

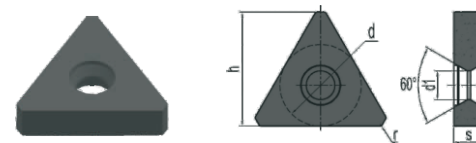


| 型号 | 尺寸(mm) | | | | 牌号 | | |
|------------|--------|-----|------|-----|---------|---------|---------|
| | d | s | d1 | r | OTO1025 | OTO1125 | OTO3125 |
| TNMX110616 | 15.875 | 6.5 | 6.75 | 1.6 | ● | ● | ○ |
| TNMX150916 | 22.22 | 9.7 | 7.94 | 1.6 | ● | ● | ○ |

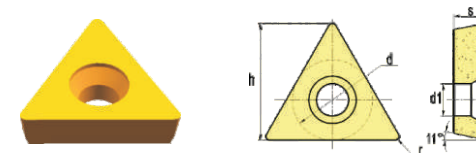
铣边刀片(Edge milling inserts)



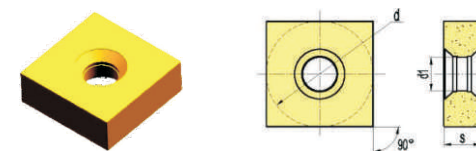
| 型号 | 尺寸(mm) | | | | 牌号 | |
|----------|--------|----|---|-----|---------|---------|
| | d | h | s | d1 | OTO1140 | OTO1125 |
| TPHW3307 | 19.05 | 25 | 7 | 6.6 | ○ | ● |



| 型号 | 尺寸(mm) | | | | | 牌号 | |
|------------|--------|------|---|-----|-----|---------|---------|
| | d | h | s | d1 | r | OTO1140 | OTO1125 |
| TNHW330704 | 19.05 | 26.6 | 7 | 6.7 | 0.4 | ○ | ● |



| 型号 | 尺寸(mm) | | | | | 牌号 | |
|------------|--------|------|---|----|-----|---------|---------|
| | d | h | s | d1 | r | OTO1140 | OTO1125 |
| TPMW270710 | 15.875 | 24.1 | 7 | 1 | 6.7 | ○ | ● |

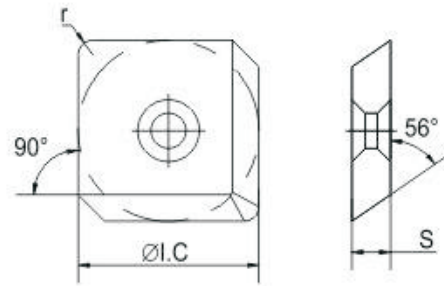


| 型号 | 尺寸(mm) | | | 牌号 | |
|----------|--------|---|-----|---------|---------|
| | d | s | d1 | OTO1140 | OTO1125 |
| SNMW2007 | 20 | 7 | 6.4 | ○ | ● |

铝锭铣削系列 Inserts for aluminum ingots milling matching

SX□□ 系列

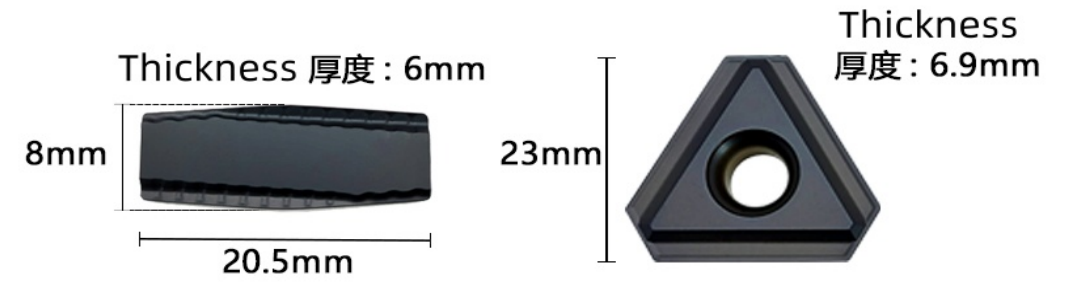
| 尺寸(mm) | | |
|--------|---|---|
| I.C | S | r |
| 37.5 | 8 | 3 |



| 形状 Shape | 型号 Type | 切深 (mm) | 进给 (mm/rev) | 硬质合金其体YK101 |
|-------------|-----------------|------------|----------------|-------------|
| | SXET37.508R3-LH | 3-16 | 0.1-0.45 | ● |
| | | | | |
| | | | | |

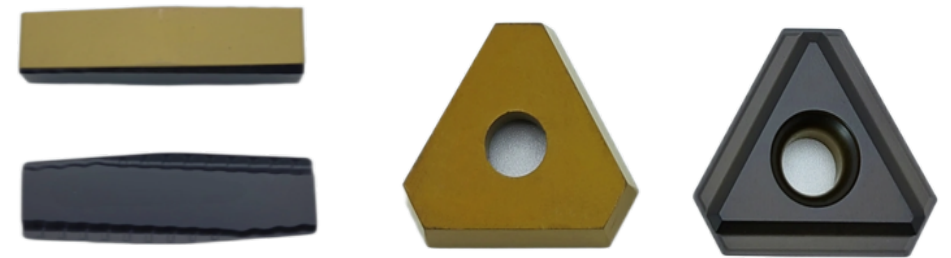
A 钻削刀片

HONING INSERTS



YNGX200608-X295

TPHX3306



B 特殊领域