



Inserts

| | |
|-------------------|------|
| CANELA Easy grade | A.02 |
| Grades | A.03 |
| Code key | A.06 |
| Contents | A.08 |
| Milling inserts | A.10 |

CANELA Easy grade

Three easy steps to choose a grade.

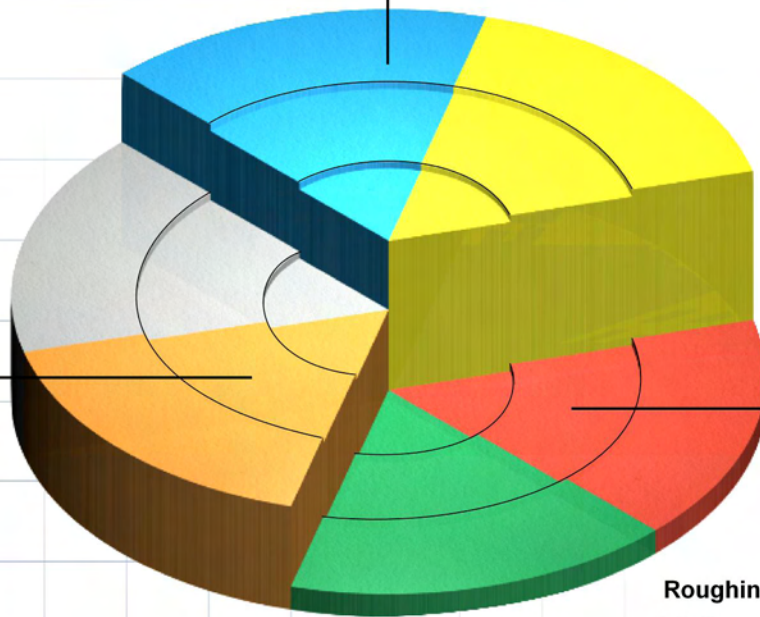
1st - Select group material (Steel, Stainless steel, Cast iron, Non ferrous materials, heat resistant alloys or hard materials).

2nd - Select suitability. Suitability of each grade is indicated by the height of each material segment.

3rd - Select machining application. Each segment is divided into three sections, each section indicates the machining application type: roughing, medium, finishing. The main application area of each insert is indicated by a black star and the extended applications are indicated by a white star.

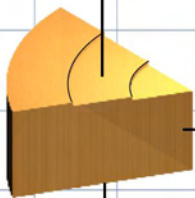
1st step

| | | | | | |
|--|--|---|--|--|---|
| Steel Unalloyed steel Alloyed steel Cemented steel Constructional steel | Stainless steel Austenitic CrNi Martensitic Cr Ferritic Cr Duplex | Cast iron Grey cast iron Sintered iron Nodular cast iron Chilled cast iron | Non ferrous metals Aluminium alloys Copper alloys Non metal materials Plastics Others | Heat resistant alloys Ti-alloys Ni-Co base alloys | Hard materials Hardened steels Hard cast irons Chilled castings |
|--|--|---|--|--|---|

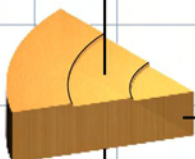


2nd step

3rd step



Most suitable

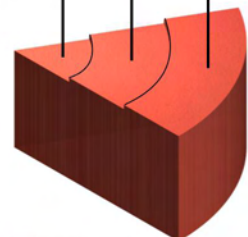


Suitable

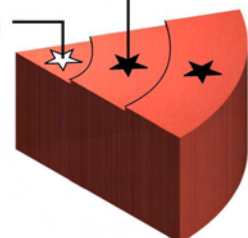


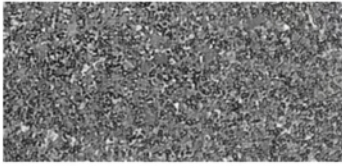
Not suitable

Roughing
Medium
Finishing



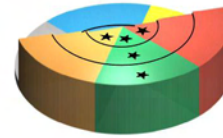
Main application
Complementary application



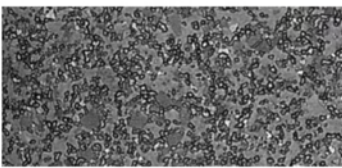
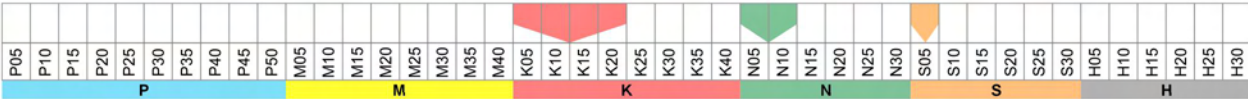


KM 15

Finishing grade in the K10 range. This carbide grade is for use on cast iron, aluminium and heat-resistant alloys. This grade works well on cobalt based alloys and synthetic materials and is suitable for finishing on heat-resistant alloys.



K10

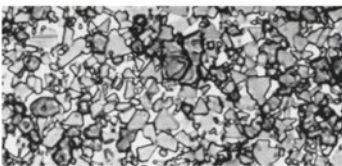
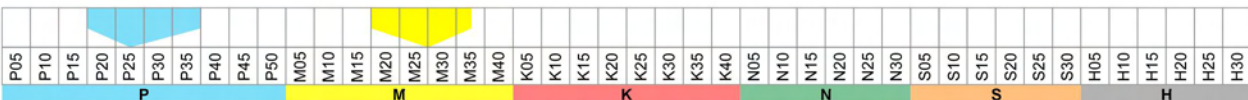


PM 25

General purpose uncoated grade in the P30 range. This tough, economical grade is suitable to work carbon steels, alloyed steels, tool steels and stainless steels. PM25 provides toughness and resistance to deformation in roughing and semi-finishing applications.



P25 - M20

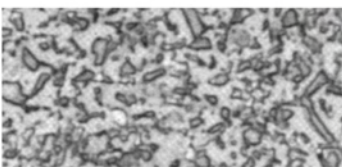
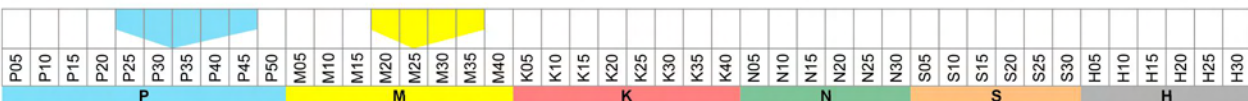


PM 40

Roughing grade in the P35 range. This tough grade is for structural, cast and tool steels. It is recommended when toughness is more important than wear resistance.

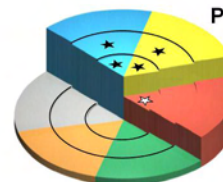


P40 - M30

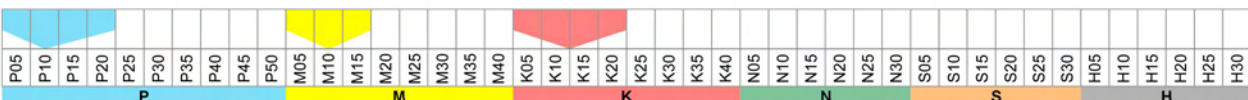


NC 40

NC 40 is a newly developed Cermet applicable for a wide range of cutting conditions as a standard grade for general machining of steel. It can successfully be used for a range of cutting speeds from (100 to 200 m/min) with better wear resistance than conventional TiC Cermet. It gives an excellent performance from semi-finish to finish operation of ductile cast iron at cutting speeds of 200 m/min. or less.



P15 - M10 - K10



Inserts

Face milling cutters

Square shoulder cutters

Slot cutters

Porcupine cutters

Specific applications and sets

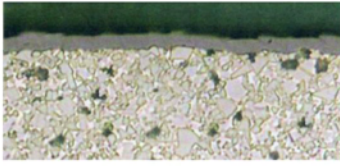
Profile milling

Solid carbide

Drills

Boring heads

Arbors and adaptors

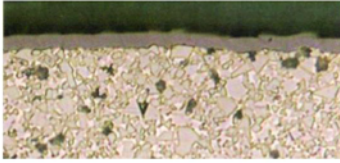


TL20

Carbide coated with TiAlN and lubricity layer PVD coating. It has a lower friction coefficient and a lower cutting energy during finishing. The sharper cutting edge reduces the built-up edge damage and gives the workpiece an excellent surface finish. Recommended for alloyed steel.



P25 - M20

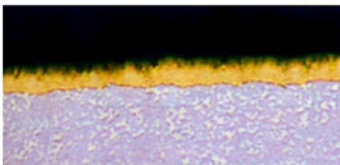


TL40

PVD-coated grade for fine to medium rough milling. First choice for milling with small feeds and/or low cutting speeds. Excellent for milling when there is a risk of vibrations and when coolant is used. Recommended for machining superalloys. Multilayer (TiAlN).

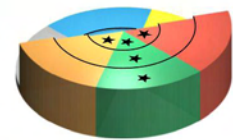


P40 - M30

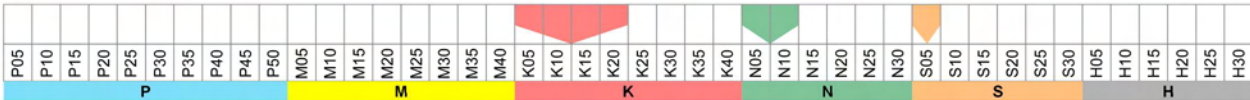


ZR 10

Micrograin grade with an extremely hard single zirconium layer for machining aluminium, copper alloys and plastics.



K10



Grade chart



- Inserts
- Face milling cutters
- Square shoulder cutters
- Slot cutters
- Porcupine cutters
- Specific applications and sets
- Profile milling
- Solid carbide
- Drills
- Boring heads
- Arbors and adaptors

| Insert shape | | |
|--------------|------|---|
| | 35° | V |
| | 55° | D |
| | 75° | E |
| | 80° | C |
| | 86° | M |
| | 55° | K |
| | 82° | B |
| | 85° | A |
| | 90° | L |
| | 108° | P |
| | 120° | H |
| | 135° | O |
| | - | R |
| | 90° | S |
| | 60° | T |
| | 80° | W |

| Clearance angle | | |
|-----------------|---|---|
| | 3° | A |
| | 5° | B |
| | 7° | C |
| | 15° | D |
| | 20° | E |
| | 25° | F |
| | 30° | G |
| | 0° | N |
| | 11° | P |
| | Clearance angles not included with in the standard for which particular information is necessary. | |

| Tolerances | | | |
|------------|-----------|-------|---|
| 0,025 | 0,005 | 0,025 | A |
| 0,013 | 0,005 | 0,025 | F |
| 0,025 | 0,013 | 0,025 | C |
| 0,013 | 0,013 | 0,025 | H |
| 0,025 | 0,025 | 0,025 | E |
| 0,025 | 0,025 | 0,13 | G |
| 0,05-0,15 | 0,005 | 0,025 | J |
| 0,05-0,15 | 0,013 | 0,025 | K |
| 0,05-0,15 | 0,025 | 0,025 | L |
| 0,05-0,15 | 0,08-0,20 | 0,13 | M |
| 0,05-0,15 | 0,08-0,20 | 0,025 | N |
| 0,08-0,25 | 0,13-0,38 | 0,13 | U |
| | | | |

| Form of top surface | |
|---------------------|---|
| | N |
| | R |
| | F |
| | A |
| | M |
| | G |
| | W |
| | T |
| | Q |
| | U |
| | B |
| | H |
| | C |
| | J |
| Special version | X |

S

E

K

N

| | | | |
|--------------------------|-----------------|-----------------|-------|
| A | 0,0010 | 0,0002 | 0,001 |
| F | 0,0005 | 0,0002 | 0,001 |
| C | 0,0010 | 0,0005 | 0,001 |
| H | 0,0005 | 0,0005 | 0,001 |
| E | 0,0010 | 0,0010 | 0,001 |
| G | 0,0010 | 0,0010 | 0,005 |
| J | 0,002 to 0,006* | 0,0002 | 0,001 |
| K | 0,002 to 0,006* | 0,0005 | 0,001 |
| L | 0,002 to 0,006* | 0,0010 | 0,001 |
| M | 0,002 to 0,006* | 0,003 to 0,008* | 0,005 |
| N | 0,002 to 0,006* | 0,003 to 0,008* | 0,001 |
| U | 0,003 to 0,010* | 0,005 to 0,015* | 0,005 |
| | | | |
| * Depends on insert size | | | |
| Tolerance (inches) | | | |

| | |
|---|-----------|
| N / R / F | E |
| A / M / G | D |
| X | X |
| IK > 1/4" | IK < 1/4" |
| Symbols as above Changes at inscribed circle IK < 1/4" | |
| Form of top surface | |

| Edge cutting length | | | |
|---------------------|------|------|-----|
| 06 | 3,96 | 5/32 | 03 |
| 09 | 5,56 | 7/32 | 05 |
| 11 | 6,35 | 1/4 | 06 |
| 16 | 9,52 | 3/8 | 09 |
| 22 | 12,7 | 1/2 | 12 |
| 27 | 15,8 | 5/8 | 15 |
| 33 | 19,0 | 3/4 | 19 |
| 44 | 25,4 | 1 | 25 |
| mm | mm | inch | mm |
| | | | |
| l | d | d | l |
| 06 | 10 | 16 | 25 |
| 08 | 12 | 20 | 32 |
| | | | |

| Insert thickness | | |
|------------------|------|----|
| 1/16 | 1,59 | 01 |
| 3/32 | 2,38 | 02 |
| 1/8 | 3,18 | 03 |
| 5/32 | 3,97 | T3 |
| 3/16 | 4,76 | 04 |
| 7/32 | 5,56 | 05 |
| 1/4 | 6,35 | 06 |
| 5/16 | 7,94 | 07 |
| 3/8 | 9,52 | 09 |
| inch | mm | |
| | | |

| Corner radius | | | |
|--|-----|----|---------|
| 00 | 0,0 | 12 | 1,2 |
| M0 | 0,0 | 16 | 1,6 |
| 02 | 0,2 | 20 | 2,0 |
| 04 | 0,4 | 24 | 2,4 |
| 08 | 0,8 | 32 | 3,2 |
| Inserts with corner radius | | | |
| Inserts with secondary cutting edge | | | |
| A | 45° | F | 85° |
| D | 60° | P | 90° |
| E | 75° | | |
| Angle of main cutting edge to secondary cutting angle χ | | | |
| A | 3° | F | 25° |
| B | 5° | G | 30° |
| C | 7° | N | 0° |
| D | 15° | P | 11° |
| E | 20° | Z | Special |
| Clearance angle α | | | |

| Cutting edge | |
|--------------|----------------------------|
| F | Sharp |
| E | Honed |
| T | Chamfered |
| S | Chamfered and honed |
| K | Double-chamfered |
| P | Double-chamfered and honed |

| Cutting direction | |
|-------------------|--|
| R | |
| L | |
| N | |

| Cutting edge | |
|--------------|---|
| ≤ 1,2 | 1 |
| 1,4 | 2 |
| 2,0 | 3 |
| 2,4 | 4 |

| Cutting direction | |
|-------------------|---|
| 0 | A |
| 0,08 x 40° | B |
| 0,15 x 15° | C |
| 0,15 x 25° | D |
| 0,20 x 10° | E |
| 0,20 x 15° | F |
| 0,20 x 22° | G |
| 0,15 x 20° | X |

12

03

AF
04

E

N

- 3

A

4

2

1

| | |
|-----|-----|
| 1/4 | 2 |
| 3/8 | 3 |
| 1/2 | 4 |
| 5/8 | 5 |
| 3/4 | 6 |
| 1 | 8 |
| | |
| l | l |

Cutting edge length (inch)

| | |
|------|---|
| 1/16 | 1 |
| 1/8 | 2 |
| 3/16 | 3 |
| 1/4 | 4 |
| 5/16 | 5 |
| 3/8 | 6 |
| | |

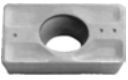



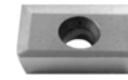

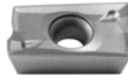








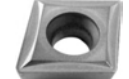
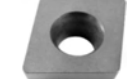







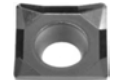








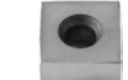


Insert thickness (inch)

| | |
|------------|---|
| max. 0,004 | 0 |
| 1/64 | 1 |
| 1/32 | 2 |
| 3/64 | 3 |
| 1/16 | 4 |
| 5/64 | 5 |
| 3/32 | 6 |
| 7/64 | 7 |
| 1/8 | 8 |
| - | X |
| | |

Corner radius (inch)

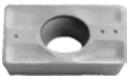
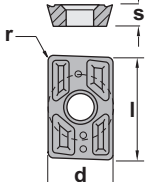
For special forms of the chip groove in the 10° position, manufacturer specific chip grooves and designations can be indicated.


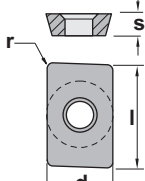
Inserts
Face milling cutters
Square shoulder cutters
Slot cutters
Porcupine cutters
Specific applications and sets
Profile milling
Solid carbide
Drills
Boring heads
Arbors and adaptors


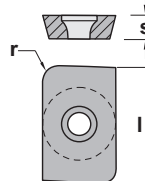
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|---|--|--|--|--|---|--|
| <p>ADMT</p>  <p>Rectangular Positive Page A.10 $\triangle 15^\circ$</p> | <p>ADMW</p>  <p>Rectangular Positive Page A.10 $\triangle 15^\circ$</p> | <p>ADMW-C</p>  <p>Rectangular Positive Page A.10 $\triangle 15^\circ$</p> | <p>ADMW-R</p>  <p>Rectangular Positive Page A.10 $\triangle 15^\circ$</p> | <p>APFT</p>  <p>Rectangular Positive Page A.10 $\triangle 11^\circ$</p> | <p>APHT-AL</p>  <p>Rectangular Positive Page A.11 $\triangle 11^\circ$</p> | <p>APKT</p>  <p>Rectangular Positive Page A.11 $\triangle 11^\circ$</p> |
| <p>APKT-26</p>  <p>Rectangular Positive Page A.11 $\triangle 11^\circ$</p> | <p>APLT</p>  <p>Rectangular Positive Page A.11 $\triangle 11^\circ$</p> | <p>APLX</p>  <p>Rectangular Positive Page A.11 $\triangle 11^\circ$</p> | <p>APMT</p>  <p>Rectangular Positive Page A.12 $\triangle 11^\circ$</p> | <p>APMT-26</p>  <p>Rectangular Positive Page A.12 $\triangle 11^\circ$</p> | <p>APMW</p>  <p>Rectangular Positive Page A.12 $\triangle 11^\circ$</p> | |
| <p>CCGT-AL</p>  <p>80° Rhombic Positive Page A.12 $\triangle 7^\circ$</p> | <p>CCKT</p>  <p>80° Rhombic Positive Page A.12 $\triangle 7^\circ$</p> | <p>CCMT-03</p>  <p>80° Rhombic Positive Page A.13 $\triangle 7^\circ$</p> | <p>CCMW</p>  <p>80° Rhombic Negative Page A.13 $\triangle 7^\circ$</p> | | | |
| <p>FRC</p>  <p>Single-ended insert Page A.13</p> | <p>FRCR</p>  <p>Single-ended insert Page A.13</p> | | | | | |
| <p>ODMT</p>  <p>Octagonal Positive Page A.14 $\triangle 15^\circ$</p> | <p>ODMW</p>  <p>Octagonal Positive Page A.14 $\triangle 15^\circ$</p> | | | | | |
| <p>RDHW</p>  <p>Round Positive Page A.15 $\triangle 15^\circ$</p> | <p>RDMT</p>  <p>Round Positive Page A.15 $\triangle 15^\circ$</p> | <p>RDMW</p>  <p>Round Positive Page A.15 $\triangle 15^\circ$</p> | <p>RPMT</p>  <p>Round Positive Page A.15 $\triangle 11^\circ$</p> | <p>RPMW</p>  <p>Round Positive Page A.15 $\triangle 11^\circ$</p> | | |
| <p>SCGT-AL</p>  <p>Square Positive Page A.16 $\triangle 7^\circ$</p> | <p>SCMT-39</p>  <p>Square Positive Page A.16 $\triangle 7^\circ$</p> | <p>SCMW</p>  <p>Square Positive Page A.16 $\triangle 7^\circ$</p> | <p>SDMT</p>  <p>Square Positive Page A.16 $\triangle 15^\circ$</p> | <p>SEHT</p>  <p>Square Positive Page A.17 $\triangle 20^\circ$</p> | <p>SEHT-AL</p>  <p>Square Positive Page A.17 $\triangle 20^\circ$</p> | <p>SEHW</p>  <p>Square Positive Page A.17 $\triangle 20^\circ$</p> |
| <p>SEKN</p>  <p>Square Positive Page A.17 $\triangle 20^\circ$</p> | <p>SEKR</p>  <p>Square Positive Page A.17 $\triangle 20^\circ$</p> | <p>SEMT</p>  <p>Square Positive Page A.18 $\triangle 20^\circ$</p> | <p>SFAN</p>  <p>Square Positive Page A.18 $\triangle 25^\circ$</p> | <p>SNHX</p>  <p>Square Negative Page A.18 $\triangle 0^\circ$</p> | <p>SNKN</p>  <p>Square Negative Page A.18 $\triangle 0^\circ$</p> | <p>SNUN</p>  <p>Square Negative Page A.18 $\triangle 0^\circ$</p> |


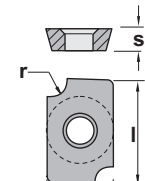
| | | | | | | |
|---|---|---|---|--|---|---|
| <p>SOMT</p>  <p>Square Positive Page A.19 </p> | <p>SPKN</p>  <p>Square Positive Page A.19 </p> | <p>SPKR</p>  <p>Square Positive Page A.19 </p> | <p>SPMT</p>  <p>Square Positive Page A.19 </p> | <p>SPMW</p>  <p>Square Positive Page A.19 </p> | <p>SPUN</p>  <p>Square Positive Page A.20 </p> | |
| <p>TCGT-AL</p>  <p>Triangular Positive Page A.20 </p> | <p>TCMT-03</p>  <p>Triangular Positive Page A.20 </p> | <p>TCMT-39</p>  <p>Triangular Positive Page A.20 </p> | <p>TCMW</p>  <p>Triangular Positive Page A.20 </p> | <p>TEKN</p>  <p>Triangular Positive Page A.21 </p> | <p>TPKN</p>  <p>Triangular Positive Page A.21 </p> | <p>TPKR</p>  <p>Triangular Positive Page A.21 </p> |
| <p>TPUN</p>  <p>Triangular Positive Page A.21 </p> | <p>TPUX</p>  <p>Triangular Positive Page A.22 </p> | | | | | |
| <p>VCGT-AL</p>  <p>35° Rhombic Positive Page A.22 </p> | <p>VCGT-AL</p>  <p>35° Rhombic Positive Page A.22 </p> | <p>VCGT-AP</p>  <p>35° Rhombic Positive Page A.22 </p> | <p>VCGT-AP</p>  <p>35° Rhombic Positive Page A.22 </p> | | | |
| <p>WCMX</p>  <p>80° Trigon Positive Page A.23 </p> | | | | | | |
| <p>HPR</p>  <p>Round Positive Page A.13 </p> | <p>INT</p>  <p>Positive ball nose insert Page A.14</p> | <p>INW</p>  <p>Positive ball nose insert Page A.14</p> | <p>MTK</p>  <p>Toroidal insert Page A.14</p> | <p>RPR</p>  <p>Round Positive Page A.16 </p> | <p>WPR</p>  <p>Round Positive Page A.23 </p> | |
| <p>XDKW</p>  <p>High feed Page A.23 </p> | | | | | | |


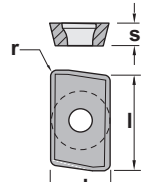
| |
|--------------------------------|
| Inserts |
| Face milling cutters |
| Square shoulder cutters |
| Slot cutters |
| Porcupine cutters |
| Specific applications and sets |
| Profile milling |
| Solid carbide |
| Drills |
| Boring heads |
| Arbors and adaptors |

| | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | Positive 15° clearance - Rectangular insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | ADMT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | ADMT 150308 | 15,00 | 3,18 | 9,52 | 0,8 | | ● | | | | ● | ● | | | |
| | ADMT 1503PDER | 15,00 | 3,18 | 9,52 | - | | ● | | | | | ● | | | |

| | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | Positive 15° clearance - Rectangular insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | ADMW | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | ADMW 150308E | 15,00 | 3,18 | 9,52 | 0,8 | | ● | | | | ● | ● | | | |
| | ADMW 150308F | 15,00 | 3,18 | 9,52 | 0,8 | ● | | | | | | | | | ○ |

| | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | Positive 15° clearance - Rectangular insert. Radius 1 mm to 5 mm. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | ADMW-C | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | ADMW 1503R1.0-C | 15,00 | 3,18 | 9,52 | 1,0 | | | | | | | ● | | | |
| | ADMW 1503R1.5-C | 15,00 | 3,18 | 9,52 | 1,5 | | | | | | | ● | | | |
| | ADMW 1503R2.0-C | 15,00 | 3,18 | 9,52 | 2,0 | | | | | | | ● | | | |
| | ADMW 1503R2.5-C | 15,00 | 3,18 | 9,52 | 2,5 | | | | | | | ● | | | |
| | ADMW 1503R3.0-C | 15,00 | 3,18 | 9,52 | 3,0 | | | | | | | ● | | | |
| | ADMW 1503R3.5-C | 15,00 | 3,18 | 9,52 | 3,5 | | | | | | | ● | | | |
| | ADMW 1503R4.0-C | 15,00 | 3,18 | 9,52 | 4,0 | | | | | | | ● | | | |
| | ADMW 1503R4.5-C | 15,00 | 3,18 | 9,52 | 4,5 | | | | | | | ● | | | |
| | ADMW 1503R5.0-C | 15,00 | 3,18 | 9,52 | 5,0 | | | | | | | ● | | | |
| | ADMW 1503R6.0-C | 15,00 | 3,18 | 9,52 | 6,0 | | | | | | | ● | | | |

| | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | Positive 15° clearance - Rectangular insert. Radius 1 mm to 5 mm. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | ADMW-R | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | ADMW 1503R1.0 | 15,00 | 3,18 | 9,52 | 1,0 | | | | | | | ● | | | |
| | ADMW 1503R1.5 | 15,00 | 3,18 | 9,52 | 1,5 | | | | | | | ● | | | |
| | ADMW 1503R2.0 | 15,00 | 3,18 | 9,52 | 2,0 | | | | | | | ● | | | |
| | ADMW 1503R2.5 | 15,00 | 3,18 | 9,52 | 2,5 | | | | | | | ● | | | |
| | ADMW 1503R3.0 | 15,00 | 3,18 | 9,52 | 3,0 | | | | | | | ● | | | |
| | ADMW 1503R3.5 | 15,00 | 3,18 | 9,52 | 3,5 | | | | | | | ● | | | |
| | ADMW 1503R4.0 | 15,00 | 3,18 | 9,52 | 4,0 | | | | | | | ● | | | |
| | ADMW 1503R4.5 | 15,00 | 3,18 | 9,52 | 4,5 | | | | | | | ● | | | |
| | ADMW 1503R5.0 | 15,00 | 3,18 | 9,52 | 5,0 | | | | | | | ● | | | |

| | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | Positive 11° clearance - Rectangular insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | APFT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | APFT 1604PDTR | 16,00 | 4,76 | 9,52 | - | | ● | | | | | ● | | | |

APHT-AL

Positive 11° clearance - Rectangular insert.
Micropolished milling insert for machining aluminium and non ferrous materials.
Excellent resistance to abrasion with high cutting speeds.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|------------------|-------|------|------|---|------|------|------|------|------|-------|-------|------|------|------|
| APHT 1003PDFR-AL | 9,52 | 3,18 | 6,35 | - | ● | | | | | | | | | ● |
| APHT 1604PDFR-AL | 17,00 | 4,76 | 9,52 | - | ● | | | | | | | | | ● |

APKT

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TIN28 | TL40 | ZR10 |
|---------------|-------|------|------|-----|------|------|------|------|------|-------|-------|-------|------|------|
| APKT 1003PDR | 9,52 | 3,18 | 6,35 | 0,4 | | | | | | | | ● | | |
| APKT 1003PDTR | 9,52 | 3,18 | 6,35 | 0,4 | | ● | | | | ● | ● | | | |
| APKT 1604PDR | 16,00 | 4,76 | 9,52 | 0,8 | | ● | | | | ● | ● | | | |
| APKT 160416 | 16,00 | 4,76 | 9,52 | 1,6 | | | | | | | | ● | | |

APKT-26

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|-----------------|-------|------|------|-----|------|------|------|------|------|-------|-------|------|------|------|
| APKT 160408E-26 | 16,66 | 4,76 | 9,52 | 0,8 | | | | | | ● | ● | | | |

APLT

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|--------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| APLT 1504ZZR | 15,87 | 4,76 | 12,70 | 0,8 | | | | | | | ● | | | |

APLX

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|--------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| APLX 1504ZZR | 15,87 | 4,76 | 12,70 | 0,8 | | | | | | | ● | | | |

Inserts
Face milling cutters
Square shoulder cutters
Slot cutters
Porcupine cutters
Specific applications and sets
Profile milling
Solid carbide
Drills
Boring heads
Arbors and adaptors

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

APMT

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| APMT 1604PDER | 16,00 | 4,76 | 9,52 | 0,8 | ● | ● | | | | | ● | | ● | |
| APMT 200408 | 20,00 | 4,76 | 12,70 | 0,8 | | ● | | | | | ● | | ● | |

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

APMT-26

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|-----------------|-------|------|------|-----|------|------|------|------|------|-------|-------|------|------|------|
| APMT 160412E-26 | 16,66 | 4,76 | 9,52 | 1,2 | | | | | | ● | | | | |
| APMT 160416E-26 | 16,66 | 4,76 | 9,52 | 1,6 | | | | | | ● | | | | |
| APMT 160424E-26 | 16,66 | 4,76 | 9,52 | 2,4 | | | | | | ● | | | | |
| APMT 160432E-26 | 16,66 | 4,76 | 9,52 | 3,2 | | | | | | ● | | | | |
| APMT 160440E-26 | 16,66 | 4,76 | 9,52 | 4,0 | | | | | | ● | | | | |
| APMT 160448E-26 | 16,66 | 4,76 | 9,52 | 4,8 | | | | | | ● | | | | |
| APMT 160464E-26 | 16,66 | 4,76 | 9,52 | 6,4 | | | | | | ● | | | | |

Positive 11° clearance - Rectangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

APMW

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|--------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| APMW 200408E | 20,00 | 4,76 | 12,70 | 0,8 | | ● | | | | | ● | | ● | |
| APMW 200408F | 20,00 | 4,76 | 12,70 | 0,8 | ○ | | | | | | | | | |

Positive 7° clearance - 80° rhombic insert.
For aluminium and soft materials.

Normally available for immediate delivery ●
Only available in a limited quantity ○

CCGT-AL


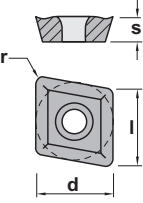
| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|----------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| CCGT 060202-AL | 6,45 | 2,38 | 6,35 | 0,2 | ● | | | | | | | | | ○ |
| CCGT 060204-AL | 6,45 | 2,38 | 6,35 | 0,4 | ● | | | | | | | | | ○ |
| CCGT 09T302-AL | 9,65 | 3,97 | 9,52 | 0,2 | ● | | | | | | | | | ○ |
| CCGT 09T304-AL | 9,65 | 3,97 | 9,52 | 0,4 | ● | | | | | | | | | ○ |
| CCGT 09T308-AL | 9,65 | 3,97 | 9,52 | 0,8 | ● | | | | | | | | | ○ |
| CCGT 120402-AL | 12,90 | 4,76 | 12,70 | 0,2 | ● | | | | | | | | | ○ |
| CCGT 120404-AL | 12,90 | 4,76 | 12,70 | 0,4 | ● | | | | | | | | | ○ |
| CCGT 120408-AL | 12,90 | 4,76 | 12,70 | 0,8 | ● | | | | | | | | | ○ |

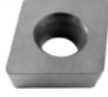
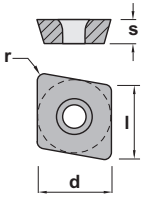
Positive 7° clearance - 80° rhombic insert.


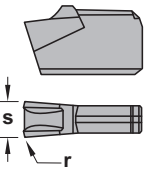
Normally available for immediate delivery ●
Only available in a limited quantity ○


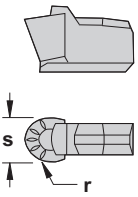
CCKT


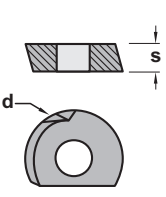
| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|-------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| CCKT 060204 | 6,45 | 2,38 | 6,35 | 0,4 | | | | | | ● | ● | | | |
| CCKT 080308 | 8,05 | 3,18 | 7,94 | 0,8 | | | | | | ● | ● | | | |
| CCKT 09T308 | 9,65 | 4,00 | 9,52 | 0,8 | | | | | | ● | ● | | | |
| CCKT 120408 | 12,90 | 4,76 | 12,70 | 0,8 | | | | | | ● | ● | | | |



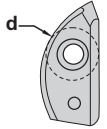
| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Positive 7° clearance - 80° rhombic insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | CCMT-03 | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
|  | CCMT 060202-03 | 6,45 | 2,38 | 6,35 | 0,2 | | ● | | | | | | | | | |
| | CCMT 060204-03 | 6,45 | 2,38 | 6,35 | 0,4 | ● | ● | | | | | ● | | | | |
| | CCMT 080304-03 | 8,05 | 3,18 | 7,94 | 0,4 | ● | ● | | | | | ● | | | | |
| | CCMT 080308-03 | 8,05 | 3,18 | 7,94 | 0,8 | | | | | | | ● | | | | |
| | CCMT 09T304-03 | 9,65 | 3,97 | 9,52 | 0,4 | ● | ● | | | | | ● | | | | |
| | CCMT 09T308-03 | 9,65 | 3,97 | 9,52 | 0,8 | ● | ● | | | | | ● | | | | |
| | CCMT 120408-03 | 12,90 | 4,76 | 12,70 | 0,8 | | ● | | | | | ● | | | | |


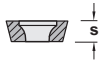
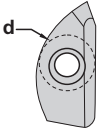
| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Positive 7° clearance - 80° rhombic insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | CCMW | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
|  | CCMW 060202 | 6,45 | 2,38 | 6,35 | 0,2 | | ● | | | | | ○ | | | | |
| | CCMW 060204 | 6,45 | 2,38 | 6,35 | 0,4 | | ● | | | | | ○ | | | | |
| | CCMW 080304 | 8,05 | 3,18 | 7,94 | 0,4 | | ● | | | | | ○ | | | | |
| | CCMW 09T304 | 9,65 | 3,97 | 9,52 | 0,4 | | ● | | | | | ○ | | | | |
| | CCMW 09T308 | 9,65 | 3,97 | 9,52 | 0,8 | | ● | | | | | ○ | | | | |
| | CCMW 120408 | 12,90 | 4,76 | 12,70 | 0,8 | | ● | | | | | ○ | | | | |

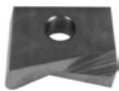
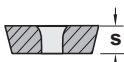
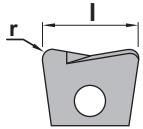
| | | | | | | | | | | | | | | | | |
|---|--------------------|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Slot cutter insert | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | FRC | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
|  | FRC 1.6 | - | 1,60 | - | 0,15 | | | | | | | | | ● | | |
| | FRC 2.2 | - | 2,20 | - | 0,20 | | | | | | | ● | | ● | | |
| | FRC 3.0 | - | 3,00 | - | 0,20 | | | | | | | | | ● | | |
| | FRC 4.0 | - | 4,00 | - | 0,20 | | | | | | | | | ● | | |
| | FRC 5.0 | - | 5,00 | - | 0,30 | | | | | | | | | ● | | |
| | FRC 6.0 | - | 6,00 | - | 0,30 | | | | | | | | | ● | | |



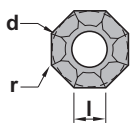
| | | | | | | | | | | | | | | | | |
|---|--------------------------|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Round slot cutter insert | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | FRCR | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
|  | FRCR 3.0 | - | 3,00 | - | 1,50 | | | | | | | | | ● | | |
| | FRCR 4.0 | - | 4,00 | - | 2,00 | | | | | | | | | ● | | |
| | FRCR 5.0 | - | 5,00 | - | 2,50 | | | | | | | ● | | ● | | |
| | FRCR 6.0 | - | 6,00 | - | 3,00 | | | | | | | ● | | ● | | |



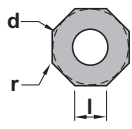
| | | | | | | | | | | | | | | | | |
|---|---------------------------------------|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Positive 11° clearance - Round insert | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | HPR | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
|  | HPR 10 | - | 2,40 | 10,00 | - | | | | | | | | ● | | | |
| | HPR 12 | - | 2,50 | 12,00 | - | | | | | | | | ● | | | |
| | HPR 16 | - | 3,00 | 16,00 | - | | | | | | | | ● | | | |
| | HPR 20 | - | 3,00 | 20,00 | - | | | | | | | | ● | | | |
| | HPR 25 | - | 4,00 | 25,00 | - | | | | | | | | ● | | | |
| | HPR 32 | - | 5,00 | 32,00 | - | | | | | | | | ● | | | |

|    | Positive ball nose insert | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
|---|---------------------------|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| | INT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| INT 25 | - | 4,5 | 12,50 | - | | | | | ● | | | | | | |
| INT 32 | - | 5,6 | 16,00 | - | | | | | ● | | | | | | |
| INT 40 | - | 5,6 | 20,00 | - | | | | | ● | | | | | | |
| INT 50 | - | 7,9 | 25,00 | - | | | | | ● | | | | | | |

|    | Positive ball nose insert | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
|---|---------------------------|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| | INW | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| INW 25 | - | 4,5 | 12,50 | - | | | | | ● | | | | | | |
| INW 32 | - | 5,6 | 16,00 | - | | | | | ● | | | | | | |
| INW 40 | - | 5,6 | 20,00 | - | | | | | ● | | | | | | |
| INW 50 | - | 7,9 | 25,00 | - | | | | | ● | | | | | | |






|    | Toroidal insert | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
|--|-----------------|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| | MTK | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| MTK 10 | 10,00 | 2,60 | - | 0,60 | | | | | | | | | ● | | |
| MTK 12 | 12,00 | 3,00 | - | 1,00 | | | | | | | | | ● | | |
| MTK 16 | 16,00 | 4,00 | - | 1,30 | | | | | | | | | ● | | |
| MTK 20 | 20,00 | 5,00 | - | 1,60 | | | | | | | | | ● | | |
| MTK 25 | 25,00 | 6,00 | - | 2,00 | | | | | | | | | ● | | |

|    | Positive 15° clearance - Octogonal insert. Multipurpose milling insert developed for both finishing and roughing operations, helping to rationalise tooling cost. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| | ODMT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| ODMT 040408 | 4,00 | 4,76 | 12,70 | 0,8 | | | | | | ● | ● | | | | |
| ODMT 060512 | 6,00 | 5,55 | 16,00 | 12 | | | | | | ● | ● | | | | |

|    | Positive 15° clearance - Octogonal insert. Multipurpose milling insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
|---|--|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| | ODMW | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| ODMW 040408 | 4,00 | 4,76 | 12,70 | 0,8 | | | | | | | ● | | | | |
| ODMW 060508 | 6,00 | 5,55 | 16,00 | 0,8 | | | | | | | ● | | | | |
| ODMW 060512 | 6,00 | 5,55 | 16,00 | 1,2 | | | | | | | ● | | | | |


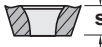


Positive 15° clearance - Round insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

RDHW

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|---|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
|  | - | 2,38 | 7,00 | - | | | | | | | | ● | ● | |
|  | - | 3,18 | 10,00 | - | | | | | | | | ● | ● | |
|  | - | 3,97 | 12,00 | - | | | | | | | | ● | ● | |
|  | - | 4,76 | 16,00 | - | | | | | | | | ● | ● | |
|  | - | 6,35 | 20,00 | - | | | | | | | | ● | ● | |





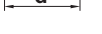

Positive 15° clearance - Round insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

RDMT

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|---|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
|  | - | 3,97 | 10,00 | - | | | | | | | | | | ● |
|  | - | 4,76 | 12,00 | - | | ● | | | | | ● | | | |
|  | - | 3,97 | 12,00 | - | | | | | | | | | | ● |
|  | - | 4,76 | 16,00 | - | | | | | | | | | | ● |


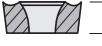
Positive 15° clearance - Round insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

RDMW

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|---|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
|  | - | 2,38 | 7,00 | - | | | | | | | | ● | | |
|  | - | 3,18 | 10,00 | - | | | | | | | | ● | ● | |
|  | - | 3,97 | 12,00 | - | | | | | | | | ● | ● | |
|  | - | 4,76 | 12,00 | - | | ● | | | | | ● | | | |
|  | - | 4,76 | 16,00 | - | | | | | | | | ● | ● | |
|  | - | 6,35 | 20,00 | - | | | | | | | | ● | ● | |





Positive 11° clearance - Round insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

RPMT

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|---|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
|  | - | 4,76 | 12,70 | - | | ● | | | | | ● | | | |
|  | - | 4,76 | 12,00 | - | | ● | | | | ● | ● | | ● | |

Positive 11° clearance - Round insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

RPMW

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|---|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
|  | - | 2,38 | 8,00 | - | | ● | | | | | ● | | ● | |
|  | - | 3,18 | 10,00 | - | | ● | | | | | ● | | ● | |
|  | - | 4,76 | 12,00 | - | ● | | | | | | | | | |
|  | - | 4,76 | 12,00 | - | | ● | | | | ● | ● | | ● | |

- Inserts
- Face milling cutters
- Square shoulder cutters
- Slot cutters
- Porcupine cutters
- Specific applications and sets
- Profile milling
- Solid carbide
- Drills
- Boring heads
- Arbors and adaptors

Positive 11° clearance - Round insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

RPR

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL10 | TL40 | ZR10 |
|--------|---|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
| RPR 10 | - | 2,60 | 10,00 | - | | | | | | | | ● | | |
| RPR 12 | - | 3,00 | 12,00 | - | | | | | | | | ● | | |
| RPR 16 | - | 4,00 | 16,00 | - | | | | | | | | ● | | |
| RPR 20 | - | 5,00 | 20,00 | - | | | | | | | | ● | | |
| RPR 25 | - | 6,00 | 25,00 | - | | | | | | | | ● | | |
| RPR 32 | - | 7,00 | 32,00 | - | | | | | | | | ● | | |

Positive 7° clearance - Square insert for aluminium and soft materials. Suitable for finishing stainless steel. Normally available for immediate delivery ●
Only available in a limited quantity ○

SCGT-AL

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|----------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| SCGT 09T304-AL | 9,52 | 3,97 | 9,52 | 0,4 | ● | | | | | | | | | ○ |
| SCGT 09T308-AL | 9,52 | 3,97 | 9,52 | 0,8 | ● | | | | | | | | | ○ |
| SCGT 120408-AL | 12,70 | 4,76 | 12,70 | 0,8 | ● | | | | | | | | | ○ |

Positive 7° clearance - Square insert. Normally available for immediate delivery ●
Only available in a limited quantity ○

SCMT-39

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|----------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| SCMT 09T304-39 | 9,52 | 3,97 | 9,52 | 0,4 | | ● | | | | | ○ | | | |
| SCMT 09T308-39 | 9,52 | 3,97 | 9,52 | 0,8 | ○ | ● | | | | | ● | | | |
| SCMT 120404-39 | 12,70 | 4,76 | 12,70 | 0,4 | | ● | | | | | ○ | | | |
| SCMT 120408-39 | 12,70 | 4,76 | 12,70 | 0,8 | ○ | ● | | | | | ● | | | |
| SCMT 120412-39 | 12,70 | 4,76 | 12,70 | 1,2 | | ● | | | | | ○ | | | |
| SCMT 120612-39 | 12,70 | 6,35 | 12,70 | 1,2 | | ● | | | | | ○ | | | |

Positive 7° clearance - Square insert. Normally available for immediate delivery ●
Only available in a limited quantity ○


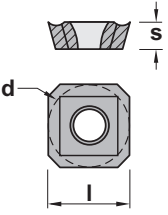
SCMW


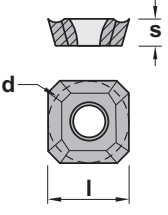
| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|-------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| SCMW 09T308 | 9,52 | 3,97 | 9,52 | 0,8 | | ● | | | | | ○ | | | |
| SCMW 120408 | 12,70 | 4,76 | 12,70 | 0,8 | ○ | ○ | | | | | ○ | | | |
| SCMW 120412 | 12,70 | 4,76 | 12,70 | 1,2 | | ○ | | | | | ○ | | | |


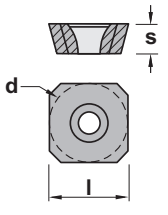
Positive 15° clearance - Square insert. Reduces costs in facing square shoulder applications due to its four effective cutting edges. Normally available for immediate delivery ●
Only available in a limited quantity ○


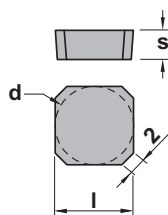
SDMT


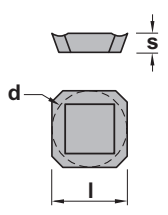
| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|-------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| SDMT 12T308 | 13,29 | 3,97 | 13,29 | 0,8 | | | | | | | ● | | ● | |

| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|--|---|------|------|------|------|-------|-------|------|------|------|
|  | Positive 20° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SEHT | l | s | d | r | | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | SEHT 1204AF-N | 12,70 | 4,76 | 12,70 | - | | | | | | | ● | ● | | | |


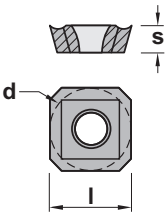
| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|--|---|------|------|------|------|-------|-------|------|------|------|
|  | Positive 20° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SEHT-AL | l | s | d | r | | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | SEHT 1204AFFN-AL | 12,70 | 3,18 | 6,35 | - | | ● | | | | | | | | | ● |


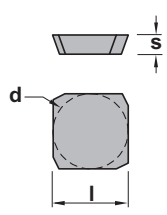
| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|--|---|------|------|------|------|-------|-------|------|------|------|
|  | Positive 20° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SEHW | l | s | d | r | | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | SEHW 1204AFEN001 | 12,70 | 4,76 | 12,70 | - | | ● | | | | | | | | | |
| | SEHW 1204AFSN151 | 12,70 | 4,76 | 12,70 | - | | | ● | | | | ● | ● | | | |

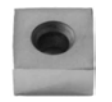
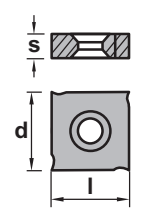
| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|--|---|------|------|------|------|-------|-------|------|------|------|
|  | Positive 20° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SEKN | l | s | d | r | | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | SEKN 1203AFEN-3A | 12,70 | 3,18 | 12,70 | - | | ● | | | | | | | | | |
| | SEKN 1203AFSN-3D | 12,70 | 3,18 | 12,70 | - | | | ● | | ● | | ● | ● | | ● | |
| | SEKN 1204AFEN-3A | 12,70 | 4,76 | 12,70 | - | | ○ | | | | | | | | | |
| | SEKN 1204AFSN-3D | 12,70 | 4,76 | 12,70 | - | | | ● | | | | | ● | | ● | |
| | SEKN 1504AFEN-4A | 15,88 | 4,76 | 15,88 | - | | ○ | | | | | | | | | |
| | SEKN 1504AFSN-4D | 15,88 | 4,76 | 15,88 | - | | | ● | | | | | ● | | ● | |


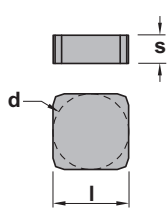
| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|--|---|------|------|------|------|-------|-------|-------|------|------|
|  | Positive 20° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SEKR | l | s | d | r | | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TIN28 | TL40 | ZR10 |
|  | SEKR 1203AFN | 12,70 | 3,18 | 12,70 | - | | | | | | | | | ● | | |
| | SEKR 1203AFTN-94 | 12,70 | 3,18 | 12,70 | - | | | | | | | ● | ● | | | |


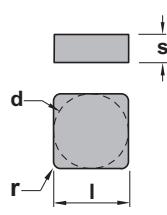
Inserts
Face milling cutters
Square shoulder cutters
Slot cutters
Porcupine cutters
Specific applications and sets
Profile milling
Solid carbide
Drills
Boring heads
Arbors and adaptors


| | | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|
|   | Positive 20° clearance - Square insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SEMT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TIN28 | TL40 | ZR10 |
| SEMT 1204AFTN | 12,70 | 4,76 | 12,70 | - | | | | | | | | ● | | | |


| | | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|   | Positive 25° clearance - Square insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SFAN | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| SFAN 1203EFL | 12,70 | 3,18 | 12,70 | - | ○ | | | | | | | | | | |
| SFAN 1203EFR | 12,70 | 3,18 | 12,70 | - | ● | | | | | | | | | | |


| | | | | | | | | | | | | | | | |
|---|-------------------------|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|   | Negative square insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SNHX | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| SNHX 1102XX | 11,00 | 2,38 | 11,00 | - | | | | | | | ● | | ● | | |
| SNHX 1103XX | 11,00 | 2,70 | 11,00 | - | | | | | | | ● | | ● | | |
| SNHX 1203XX | 12,70 | 3,18 | 12,70 | - | | | | | | | ● | | ● | | |
| SNHX 12045XX | 12,70 | 4,50 | 12,70 | - | | | | | | | ● | | ● | | |
| SNHX 1205XX | 12,70 | 5,40 | 12,70 | - | | | | | | | ● | | ● | | |
| SNHX 1207XX | 12,70 | 7,00 | 12,70 | - | | | | | | | ● | | ● | | |


| | | | | | | | | | | | | | | | |
|--|-------------------------|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|   | Negative square insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SNKN | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| SNKN 1204ENN | 12,70 | 4,76 | 12,70 | - | ○ | ● | | | | | | | | | |


| | | | | | | | | | | | | | | | |
|--|-------------------------|----------|----------|----------|----------|---|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|   | Negative square insert. | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SNUN | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
| SNUN 120408E | 12,70 | 4,76 | 12,70 | 0,8 | | ● | | | | | | | | | |
| SNUN 120408F | 12,70 | 4,76 | 12,70 | 0,8 | ○ | | | | | | | | | | |
| SNUN 120412E | 12,70 | 4,76 | 12,70 | 1,2 | | ● | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Positive 7° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SOMT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
| | SOMT 12M612SN-B | 12,70 | 6,00 | 12,70 | 1,2 | ● | | | | | | ● | | | | |
| | SOMT 15M612SN-B | 15,88 | 6,00 | 15,88 | 1,2 | ● | | | | | ● | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|--|
|  | Positive 11° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SPKN | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TIN28 | TL40 | ZR10 | |
| | SPKN 1203EDER-3A | 12,70 | 3,18 | 12,70 | - | ● | | | | | | | | | | |
| | SPKN 1203EDSR-3C | 12,70 | 3,18 | 12,70 | - | | ● | | | | ● | ● | | ● | | |
| | SPKN 1203EDTR | 12,70 | 3,18 | 12,70 | - | | | | | | | | ● | | | |
| | SPKN 1504EDSR-2F | 15,88 | 4,76 | 15,88 | - | | ● | | | | | ● | | ● | | |

| | | | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|--|
|  | Positive 11° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SPKR | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TIN28 | TL40 | ZR10 | |
| | SPKR 1203EDR | 12,70 | 3,18 | 12,70 | - | | | | | | | | ● | | | |
| | SPKR 1203EDSR | 12,70 | 3,18 | 12,70 | - | | | | | | | ● | | | | |




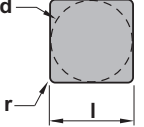
| | | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Positive 11° clearance - Square insert | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SPMT | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
| | SPMT 060304 | 6,35 | 3,18 | 6,35 | 0,4 | | | | | | | | | | ● | |
| | SPMT 070308 | 7,94 | 3,18 | 7,94 | 0,8 | | | | | | | | | | ● | |
| | SPMT 090308 | 9,52 | 3,18 | 9,52 | 0,8 | | | | | | | | | | ● | |
| | SPMT 120408 | 12,70 | 4,76 | 12,70 | 0,8 | | | | | | | | | | ● | |

| | | | | | | | | | | | | | | | | |
|---|---|----------|----------|----------|----------|-------------|---|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|--|
|  | Positive 11° clearance - Square insert. | | | | | | Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | |
| | SPMW | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
| | SPMW 120408 | 12,70 | 4,76 | 12,70 | 0,8 | ○ | ● | | | | | ● | | ● | | |

Inserts
Face milling cutters
Square shoulder cutters
Slot cutters
Porcupine cutters
Specific applications and sets
Profile milling
Solid carbide
Drills
Boring heads
Arbors and adaptors

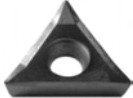

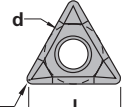
Positive 11° clearance - Square insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| SPUN | | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|--------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | SPUN 090304E | 9,52 | 3,18 | 9,52 | 0,4 | | ○ | | | | | ○ | | | |
|  | SPUN 090308E | 9,52 | 3,18 | 9,52 | 0,8 | | ● | | | | | ● | | | |
|  | SPUN 090308F | 9,52 | 3,18 | 9,52 | 0,8 | ○ | | | | | | | | | |
|  | SPUN 120304E | 12,70 | 3,18 | 12,70 | 0,4 | | ● | | | | | ● | | | |
| | SPUN 120308E | 12,70 | 3,18 | 12,70 | 0,8 | | ● | | | | | ● | | ○ | |
| | SPUN 120308F | 12,70 | 3,18 | 12,70 | 0,8 | ● | | | | | | ● | | | |
| | SPUN 120312E | 12,70 | 3,18 | 12,70 | 1,2 | | ● | | | | ● | ● | | | |
| | SPUN 120408E | 12,70 | 4,76 | 12,70 | 0,8 | | ○ | | | | | | | | |
| | SPUN 150408E | 15,88 | 4,76 | 15,88 | 0,8 | | ○ | | | | | | | | |
| | SPUN 150412E | 15,88 | 4,76 | 15,88 | 1,2 | | ○ | | | | | | | | |
| | SPUN 190412E | 19,05 | 4,76 | 19,05 | 1,2 | | ○ | | | | | | | | |



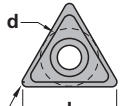
Positive 7° clearance - Triangular insert for aluminium and soft materials.
Suitable for finishing stainless steel.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| TCGT-AL | | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|----------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | TCGT 110202-AL | 11,00 | 2,38 | 6,35 | 0,2 | ● | | | | | | | | | ○ |
|  | TCGT 110204-AL | 11,00 | 2,38 | 6,35 | 0,4 | ● | | | | | | | | | ○ |
|  | TCGT 16T302-AL | 16,50 | 3,97 | 9,52 | 0,2 | ● | | | | | | | | | ○ |
| | TCGT 16T304-AL | 16,50 | 3,97 | 9,52 | 0,4 | ● | | | | | | | | | ○ |
| | TCGT 16T308-AL | 16,50 | 3,97 | 9,52 | 0,8 | ● | | | | | | | | | ○ |



Positive 7° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| TCMT-03 | | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|----------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | TCMT 090204-03 | 9,62 | 2,38 | 5,55 | 0,4 | ○ | | | | | | | | | |
|  | TCMT 110204-03 | 11,00 | 2,38 | 6,35 | 0,4 | ● | ● | | | | | ● | | | |
|  | TCMT 16T304-03 | 16,50 | 3,97 | 9,52 | 0,4 | ○ | ● | | | | | | | | |
| | TCMT 16T308-03 | 16,50 | 3,97 | 9,52 | 0,8 | ● | ● | | | | | | | | |
| | TCMT 220408-03 | 22,00 | 4,76 | 12,70 | 0,8 | | | ○ | | | | | | | |
| | TCMT 220412-03 | 22,00 | 4,76 | 12,70 | 1,2 | | | ○ | | | | | | | |



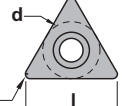
Positive 7° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| TCMT-39 | | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|----------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | TCMT 16T308-39 | 16,50 | 3,97 | 9,52 | 0,8 | | ● | | | | | ● | | ● | |
|  | TCMT 16T312-39 | 16,50 | 3,97 | 9,52 | 1,2 | | ● | | | | | ● | | | |

Positive 7° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| TCMW | | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---|-------------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | TCMW 110204 | 11,00 | 2,38 | 6,35 | 0,4 | ○ | ● | | | | | | | | ○ |
|  | TCMW 16T304 | 16,50 | 3,97 | 9,52 | 0,4 | ● | | | | | | | | | ○ |
|  | TCMW 16T308 | 16,50 | 3,97 | 9,52 | 0,8 | ● | ● | | | | | | | | ○ |

Positive 20° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

TEKN

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---------------|-------|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
| TEKN 1603PETR | 16,50 | 3,18 | 9,52 | - | ○ | ● | | | | | ○ | | | |
| TEKN 2204PETR | 22,00 | 4,76 | 12,70 | - | ● | ● | | | | | ○ | | | |

Positive 11° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

TPKN

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|------------------|-------|------|-------|---|------|------|------|------|------|-------|-------|------|------|------|
| TPKN 1103PPSN-1C | 11,00 | 3,18 | 6,35 | - | | ● | | | | | ○ | | | |
| TPKN 1603PDER-1A | 16,50 | 3,18 | 9,52 | - | ● | | | | | | | | | |
| TPKN 1603PDSR-1C | 16,50 | 3,18 | 9,52 | - | | ● | | | | | ● | | ● | |
| TPKN 2204PDER-1A | 22,00 | 4,76 | 12,70 | - | ● | | | | | | | | | |
| TPKN 2204PDSR-1F | 22,00 | 4,76 | 12,70 | - | | ● | | | | | ● | | ● | |

Positive 11° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

TPKR

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|---------------|-------|------|------|---|------|------|------|------|------|-------|-------|------|------|------|
| TPKR 1603PPSR | 16,50 | 3,18 | 9,52 | - | | | | | | | ● | | ● | |

Positive 11° clearance - Triangular insert.

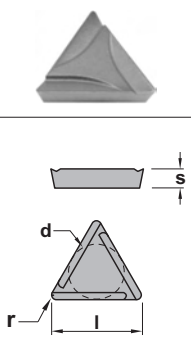
Normally available for immediate delivery ●
Only available in a limited quantity ○

TPUN

| | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|--------------|-------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|
| TPUN 110204E | 11,00 | 2,38 | 6,35 | 0,4 | | ● | | | | | ● | | | |
| TPUN 110204F | 11,00 | 2,38 | 6,35 | 0,4 | ○ | | | | | | | | | |
| TPUN 110208E | 11,00 | 2,38 | 6,35 | 0,8 | | ● | | | | | ● | | | |
| TPUN 110304E | 11,00 | 3,18 | 6,35 | 0,4 | | ● | | | | | ● | | | |
| TPUN 110308E | 11,00 | 3,18 | 6,35 | 0,8 | | ● | | | | | ● | | | |
| TPUN 110308F | 11,00 | 3,18 | 6,35 | 0,8 | ○ | | | | | | | | | |
| TPUN 160304E | 16,50 | 3,18 | 9,52 | 0,4 | | ● | | | | | ● | | | |
| TPUN 160304F | 16,50 | 3,18 | 9,52 | 0,4 | ● | | | | | | | | | |
| TPUN 160308T | 16,50 | 3,18 | 9,52 | 0,8 | | ● | | | | | ● | | | |
| TPUN 160308E | 16,50 | 3,18 | 9,52 | 0,8 | | ● | | | | | ● | | | |
| TPUN 160308F | 16,50 | 3,18 | 9,52 | 0,8 | ● | | | | | | | | | |
| TPUN 160312E | 16,50 | 3,18 | 9,52 | 1,2 | | ● | | | | | ● | | | |
| TPUN 160312F | 16,50 | 3,18 | 9,52 | 1,2 | ○ | | | | | | | | | |
| TPUN 220408E | 22,00 | 4,76 | 12,70 | 0,8 | | ● | | | | | ● | | | |
| TPUN 220408F | 22,00 | 4,76 | 12,70 | 0,8 | ● | | | | | | | | | |
| TPUN 220412E | 22,00 | 4,76 | 12,70 | 1,2 | | ● | | | | | ● | | | |
| TPUN 220412F | 22,00 | 4,76 | 12,70 | 1,2 | ● | | | | | | | | | |

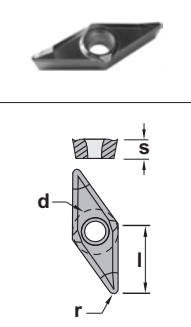
Positive 11° clearance - Triangular insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | | TPUX | | | | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 | |
|---|---------------------|-------------|------|-------|-----|------|------|------|------|------|-------|-------|------|------|------|--|
| | | l | s | d | r | | | | | | | | | | | |
|  | TPUX 110304L | 11,00 | 3,18 | 6,35 | 0,4 | ○ | ● | | | | | ● | | | | |
| | TPUX 110304R | 11,00 | 3,18 | 6,35 | 0,4 | ○ | ● | | | | | ● | | | | |
| | TPUX 160304L | 16,50 | 3,18 | 9,52 | 0,4 | ○ | ● | | | | | ● | | | | |
| | TPUX 160304R | 16,50 | 3,18 | 9,52 | 0,4 | ○ | ● | | | | | ● | | | | |
| | TPUX 160308L | 16,50 | 3,18 | 9,52 | 0,8 | ○ | ● | | | | | ● | | | | |
| | TPUX 160308R | 16,50 | 3,18 | 9,52 | 0,8 | ○ | ● | | | | | ● | | | | |
| | TPUX 220408L | 22,00 | 4,76 | 12,70 | 0,8 | | ○ | | | | | | | | | |
| | TPUX 220408R | 22,00 | 4,76 | 12,70 | 0,8 | ○ | ○ | | | | | | | | | |

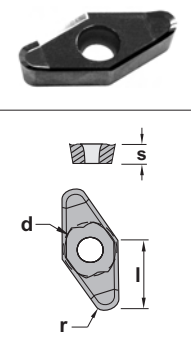
Positive 7° clearance - 35° rhombic insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | | VCGT-AL | | | | KM15 | PM25 | PM40 | NC25 | TIN16 | TIN17 | TIN22 | TIN32 | TIN35 | ZR10 |
|---|-----------------------|----------------|------|------|-----|------|------|------|------|-------|-------|-------|-------|-------|------|
| | | l | s | d | r | | | | | | | | | | |
|  | VCGT 160404-AL | 16,50 | 4,76 | 9,52 | 0,4 | ● | | | | | | | | | ○ |
| | VCGT 160408-AL | 16,50 | 4,76 | 9,52 | 0,8 | ● | | | | | | | | | ○ |
| | VCGT 160412-AL | 16,50 | 4,76 | 9,52 | 1,2 | ● | | | | | | | | | ○ |
| | | | | | | | | | | | | | | | |

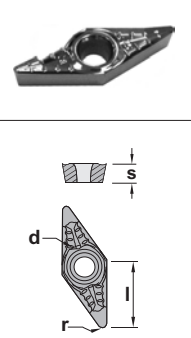
Positive 7° clearance - 35° rhombic insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | | VCGT-AL | | | | KM15 | PM25 | PM40 | NC25 | TIN16 | TIN17 | TIN22 | TIN32 | TIN35 | ZR10 |
|--|-----------------------|----------------|------|-------|-----|------|------|------|------|-------|-------|-------|-------|-------|------|
| | | l | s | d | r | | | | | | | | | | |
|  | VCGT 220530-AL | 22,10 | 5,56 | 12,70 | 3,0 | ● | | | | | | | | | ○ |
| | | | | | | | | | | | | | | | |

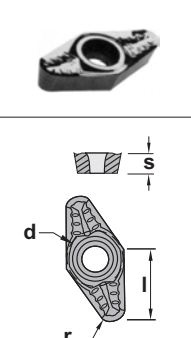
Positive 7° clearance - 35° rhombic insert.

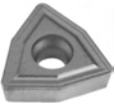
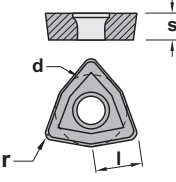

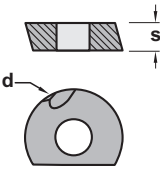

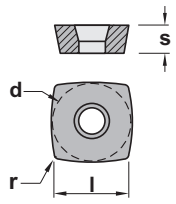
Normally available for immediate delivery ●
Only available in a limited quantity ○

| | | VCGT-AP | | | | KM15 | PM25 | PM40 | NC25 | TIN16 | TIN17 | TIN22 | TIN32 | TIN35 | ZR10 |
|---|-----------------------|----------------|------|------|-----|------|------|------|------|-------|-------|-------|-------|-------|------|
| | | l | s | d | r | | | | | | | | | | |
|  | VCGT 160404-AP | 16,50 | 4,76 | 9,52 | 0,4 | ● | | | | | | | | | ○ |
| | VCGT 160408-AP | 16,50 | 4,76 | 9,52 | 0,8 | ● | | | | | | | | | ○ |
| | VCGT 160412-AP | 16,50 | 4,76 | 9,52 | 1,2 | ● | | | | | | | | | ○ |
| | | | | | | | | | | | | | | | |

Positive 7° clearance - 35° rhombic insert.

Normally available for immediate delivery ●
Only available in a limited quantity ○

| | | VCGT-AP | | | | KM15 | PM25 | PM40 | NC25 | TIN16 | TIN17 | TIN22 | TIN32 | TIN35 | ZR10 |
|---|-----------------------|----------------|------|-------|-----|------|------|------|------|-------|-------|-------|-------|-------|------|
| | | l | s | d | r | | | | | | | | | | |
|  | VCGT 220530-AP | 22,10 | 5,56 | 12,70 | 3,0 | ● | | | | | | | | | ○ |
| | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|---|--|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
|  | Positive 7° clearance - 80° Trigon insert. Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | | | | | | |
| | WCMX | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN32 | TL20 | TL40 | ZR10 |
|  | WCMX 030208 | 3,46 | 2,38 | 5,56 | 0,8 | | | | | | | | | | |
| | WCMX 040208 | 3,99 | 2,38 | 6,35 | 0,8 | | | | | | | | | | |
| | WCMX 050308 | 5,07 | 3,18 | 7,94 | 0,8 | | | | | | | | | | |
| | WCMX 06T308 | 6,14 | 3,97 | 9,52 | 0,8 | | | | | | | | | | |
| | WCMX 080408 | 8,14 | 4,76 | 12,70 | 0,8 | | | | | | | | | | |
| | WCMX 080412 | 8,14 | 4,76 | 12,70 | 1,2 | | | | | | | | | | |
|  | Positive 11° clearance - Round insert. Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | | | | | | |
| | WPR | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | WPR 10 | - | 2,40 | 10,00 | - | | | | | | | | | | |
| | WPR 12 | - | 2,50 | 12,00 | - | | | | | | | | | | |
| | WPR 16 | - | 3,00 | 16,00 | - | | | | | | | | | | |
| | WPR 20 | - | 3,00 | 20,00 | - | | | | | | | | | | |
| | WPR 25 | - | 4,00 | 25,00 | - | | | | | | | | | | |
| | WPR 32 | - | 5,00 | 32,00 | - | | | | | | | | | | |
|  | High feed. Normally available for immediate delivery ● Only available in a limited quantity ○ | | | | | | | | | | | | | | |
| | XDKW | l | s | d | r | KM15 | PM25 | PM40 | NC40 | TC30 | TIN21 | TIN25 | TL20 | TL40 | ZR10 |
|  | XDKW 090430 | 9,00 | 4,76 | 9,00 | 0,8 | | | | | | | | | | |
| | XDKW 120530 | 12,50 | 5,56 | 12,50 | 0,8 | | | | | | | | | | |

- Inserts
- Face milling cutters
- Square shoulder cutters
- Slot cutters
- Porcupine cutters
- Specific applications and sets
- Profile milling
- Solid carbide
- Drills
- Boring heads
- Arbors and adaptors