

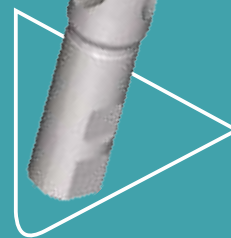
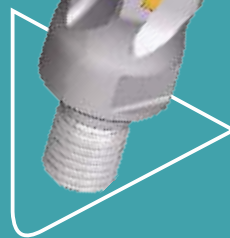
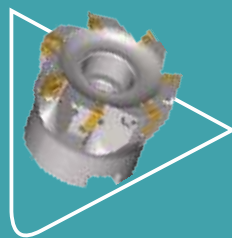
SIGMA TIZ

20
YEARS OF CELEBRATION

NEW

Milling Products

Solutions for Milling



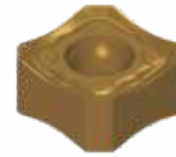
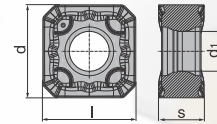
- ▶ Wide range of milling solutions
- ▶ Indexable drill with SPMG insert
- ▶ Ideal for challenging applications
- ▶ High productivity
- ▶ Optimised cost of operation

New Milling Products

SNMX1206 ANSN-MP

OctaCut 45N

- 45° Face mill with 08 cutting edges
- Increased of productivity with higher DOC upto 6.5mm
- Effective positive cutting edge geometry for smooth cut
- Tetra 2.0 coating for cast iron steel machining



Coated Carbide Grade	SCP30M	SCP35M
	●	●

SF45 SN12.XXX ZXX

Cutter Range _____

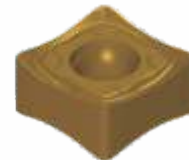
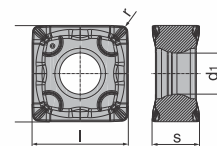
- Cutter dia range available is from Ø50 to Ø250



SNMX 120608 SN-MP

OctaCut 88N

- Approach angle 88° with 8 cutting edges
- 0.8 and 1.2 corner radius available
- Special geometry for higher DOC & feed rate
- Gold lox coating for steel and stainless machine



Coated Carbide Grade	SCP30M	SCP35M
	●	●

SF88 SN12.XXX ZXX

Cutter Range _____

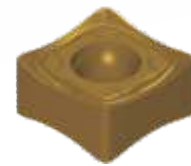
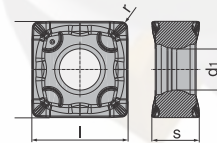
- Cutter dia range available is from Ø50 to Ø160



SNMX 130508 SN-MP

Octacut 89N

- 89° face mill with 8 cutting edges
- Special geometry for side and face mill with higher DOC
- High positive helical geometry for smooth cut



Coated Carbide Grade	SCP30M	SCP35M	SCP40M
	●	●	●

SF88 SN13.XXX ZXX

Cutter Range _____

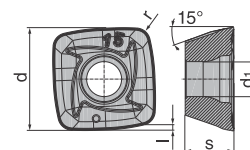
- Cutter dia range available is from Ø50 to Ø250



SDMT 140520 SR-MPH (HIGH FEED)

Tetracut 90P feed

- Aggressive ramping capability
- Highest tooth feed upto $Fz=2.4\text{mm}$
- Universal grade for cast iron, steel and S.S machining
- High contact time
- Same cutter body used for square shoulder and high feed



Coated Carbide Grade	SCP20M	SCP25M	SCP30M	SCP35M
	●	●	●	●

SF90 SD14.XXX ZXX

Cutter Range _____

- Cutter dia range available is from Ø50 to Ø250

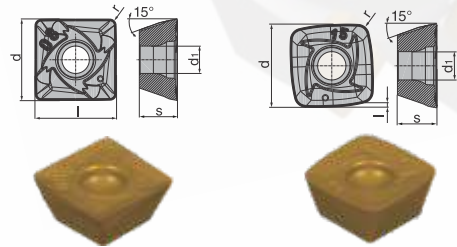


New Milling Products

SDMT 120512 SR-MPH (HIGH FEED)

Tetracut 90P feed

- High feed cutter inserts with 2 positive cutting edges
- Aggressive ramping capabilities
- Universal grade for steel, S.S, and duplex material
- Special design cutter body for higher tool life



Coated Carbide Grade	SCP30M	SCP35M
	●	●

SF45 SD12.XXX ZXX

Cutter Range _____

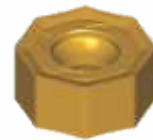
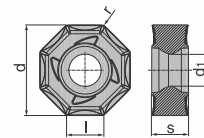
- Cutter dia range available is from Ø50 to Ø160



ONMU 050608 SN-MP

Hexadec Cut 45N

- 45° Face mill with 16 cutting edges
- Effective positive cutting edges for smooth cut
- Numbering of cutting edge for exact indexing

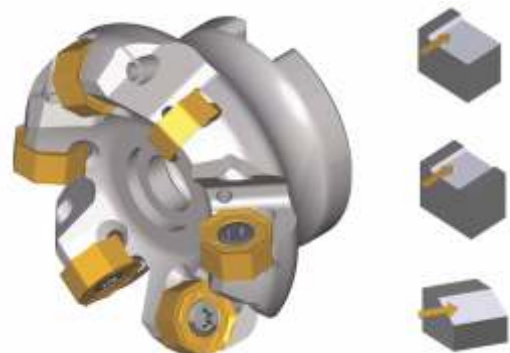


Coated Carbide Grade	SCP30M	SCP35M
	●	●

SF45 ON05.XXX ZXX

Cutter Range _____

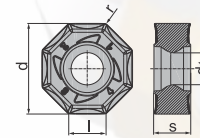
- Cutter dia range available is from Ø50 to Ø125



ONMU 080608 SN-MP

Hexadecut 45N

- 45° face mill with 16 cutting edges
- Negative basic geometry with effective positive cutting edge from smooth cut
- Numbering of cutting edges for exact indexing

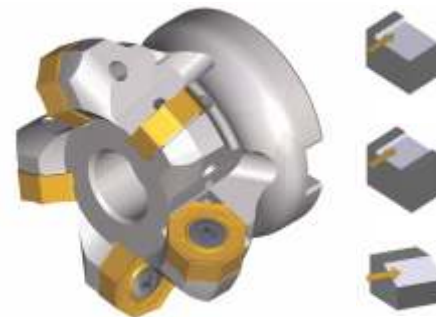


Coated Carbide Grade	SCP20M	SCP25M	SCP30M	SCP35M
	●	●	●	●

SF45 ON08.XXX ZXX

Cutter Range _____

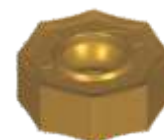
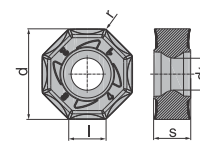
- Cutter dia range available is from Ø50 to Ø250



ONMU 090520 SN-MP

Hexadecut 45N

- 45° face mill with 16 cutting edges
- Negative basic geometry with effective positive cutting edge for smooth cut
- Higher cutting edge length for DOC

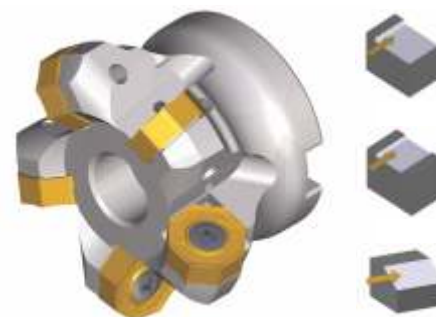


Coated Carbide Grade	SCP30M	SCP35M
	●	●

SF45 ON09.XXX ZXX

Cutter Range _____

- Cutter dia range available is from Ø63 to Ø250



New Milling Products

NNMX 200608 SN-MP

Di-HeptaCut

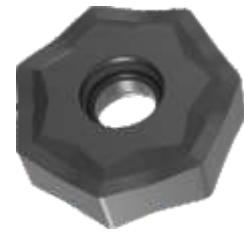
- Eco-hepta face mill with 14 corner
- High positive edge with higher rake angle
- Robust seat design for both wedge and screw type cutter

Coated Carbide Grade	SCP35M	SCP40M
	●	●

SFW80 NN20.XXX ZXX

Cutter Range _____

- Cutter dia range available is from Ø50 to Ø250



XNGN 2005XX RP

Eco-Six true 90

- Eco- six true 90° and 6 corner insert
- Multi corner radii options range R0.8 to R4.8
- High effective cutting edge length upto 19mm

Coated Carbide Grade	SCP10M	SCP30M
	●	●

SF90 XN20.XXX ZXX

Cutter Range _____

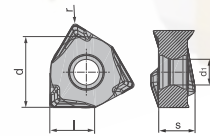
- Cutter dia range available is from Ø40 to Ø250



WNEX 040304 MM-SN

Hexacut 90N

- 90° face and shoulder mill with 06 cutting edges
- Effective positive chip angle for smooth cut
- Productivity guaranteed with smaller diameter from Ø20



Coated Carbide Grade	SCP25M	SCP35M
	●	●



SF90 WN04.XXX ZXX

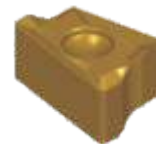
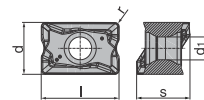
Cutter Range _____

- Cutter dia range available is from Ø20 to Ø63

LNMX 100605 SR-RP

TetraCut 90N

- 90° shoulder mill with 04 cutting edges
- Improved productivity with high feed and depth capability
- Universal grade for steel, SS, SG iron
- Effective positive rake for smooth cut



Coated Carbide Grade	SCP25M	SCP35M
	●	●



SE90 LN10.XXX ZXX

Cutter Range _____

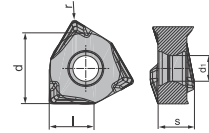
- Cutter dia range available is from Ø20 to Ø80

New Milling Products

WNEX 080608 RP

HexaCut 90N

- 90° face and shoulder mill with 06 cutting edges
- Effective positive rake angle for smooth cut
- Productivity guaranteed with higher DOC



Coated Carbide Grade	SCP25M	SCP35M
	●	●

SF90 WN08.XXX ZXX

Cutter Range _____

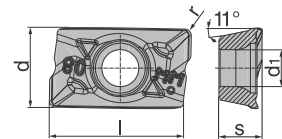
- Cutter dia range available is from Ø40 to Ø160



APMT 1135PDER SCP35M

ISO 90P

- 90° shoulder mill with 02 positive cutting edges
- Positive cutting edge for smooth cut
- Special geometry for helical ramping and slotting application



Coated Carbide Grade	SCP30M	SCP35M
	●	●

SE90 AP11.XXX ZXX

Cutter Range _____

- Cutter dia range available is from Ø16 to Ø80

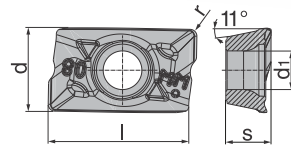


APKT 1705 PD-ER / APKT16

ISO 90P

- 90° shoulder mill with 02 cutting edges
- Helical cutting edge for smooth cutting
- Special geometry for medium machining, ramping and roughing application

Coated Carbide Grade	SCP25M	SCP35M
	●	●



SE90 AP11.XXX ZXX

Cutter Range _____

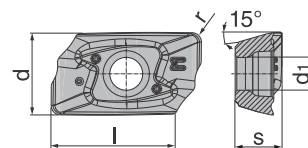
- Cutter dia range available is from Ø25 to Ø160

LDMX-100408 SR-MM

Dicut 90P

- 90° sholder mill with 2 positive cutting edges
- Multi functional tool for highest productivity
- Exact 90°shoulder upto 1/2 cutting edge length on all diameter

Coated Carbide Grade	SCM35M	SCM40M
	●	●



SF90 LD10.XXX ZXX

Cutter Range _____

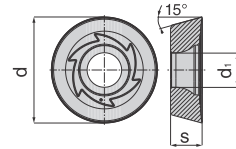
- Cutter dia range available is from Ø16 to Ø80

New Milling Products

RDKT1003 / RDKT12T3 / RDKT1604

Rcut 360P

- For general machining and scooping for die and mould applications
- Neutral mounting position of insert for contour precision
- Protection against chip impact on insert seat

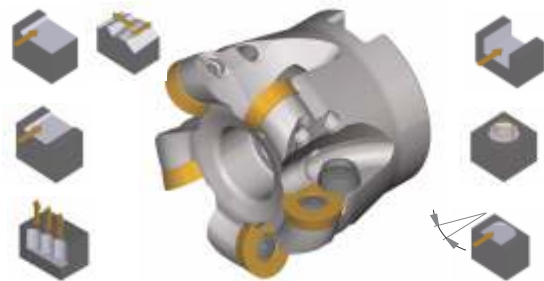


Coated Carbide Grade	SCP20M	SCP25M	SCP30M	SCP35M
	●	●	●	●

SFO0 RDXX.XXX ZXX

Cutter Range _____

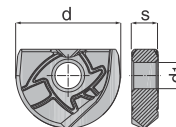
- Cutter dia range available is from Ø40 to Ø160



BE12-XXX / BE16-XXX / BE20-XXX

BallCut

- Ball nose copying tool for semi finishing & finishing
- Soldered solid carbide head for reduced vibration
- Non-carbide bodies area available
- Wide variety of designs screw-on type, conical end mills, cylindrical end mills



Coated Carbide Grade	SCH03M	SCH10M	SCP23M	SCP30M
	●	●	●	●

SEB000 BEXX.XXX ZXX XXX

Cutter Range _____

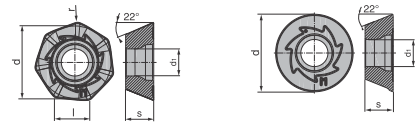
- Cutter dia range available is from Ø8 to Ø32



XEMT 0404XX / REMW1304XX

HeptaCut 45P

- 1 Basic body for 2 machining processes = multifunctional
- Positive basic geometry, therefore easy cutting
- Uneven spacing leads to reduced vibration and extremely smooth running



Coated Carbide Grade	SCP35M	SCM35M	SCH05M	SCH10M
	●	●	●	●

SF45 XEXX.XXX ZXX

Cutter Range _____

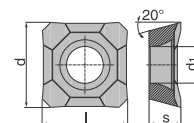
- Cutter dia range available is from Ø50 to Ø200



SEHT1204XX AFFN-ALC

ISO 45°

- High positive insert for aluminium machining
- High-finish rake face for avoiding built up edge
- Generous chip gullet for chip control
-



Coated Carbide Grade	SCN10M	SWN10M
	●	●

FMH45 BS12.XXX ZXX

Cutter Range _____

- Cutter dia range available is from Ø40 to Ø100



Indexable Drill with SPMG Insert

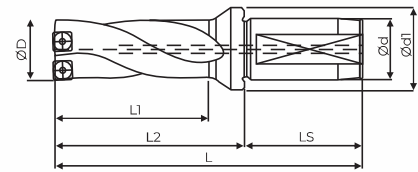
Indexable drill body is designed & made from special high tensile steel suitable for higher feed rate & longer tool life. unique surface coating treatment & large flute with proper helix angle control chip flow.

Features

- ▶ Highly productive, reliable, and economical indexable drills.
- ▶ 4 real cutting edges per insert.
- ▶ X-offset design to adjust diameter size on turning machines. and optimize tolerances on machining centers.



Drill L/D	2D	3D	4D	5D
Drill Dia	Ø13-Ø50	Ø13-Ø50	Ø13-Ø50	Ø14-Ø50
Suitable Insert	SPMG05 / SPMG06 / SPMG07 SPMG09 / SPMG11 / SPMG14			



Coated Carbide Grade	P3100	P3200
	●	●

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