PROMO

CAPTIVE LINE

JUSQU'AU 31 DECEMBRE 2025

SCAN ME

10 PLAQUETTES / DENT ACHETEES => LA FRAISE A 1,50 € HT

ENMX06/09 - PNMU - TPKT 07/11/16 - LNHU/LNKU13 - WNEX08

30 PLAQUETTES / DENT ACHETEES => LE FORET A 1,50 € HT

SYMX05/06/07/08

20 PLAQUETTES / DENT ACHETEES => LE PORTE-OUTIL A 1,50 € HT

TRONCONNAGE ET GORGE 5MM/6MM/8MM

GROUPE DORISE

USINEZ EN TOUTE PRÉCISION

CAPTIVE INSERTS

ENMX
MINI HIGH FEED

for Narrow and Long Reach Application

- Variety of cutter range Ø16~ Ø125 (Ø.625″~ Ø6″) with 2 different size of insert
- Double sided with 4 cutting edges
- Dedicated grade with chip breaker for ISO P, M, K and H
- Efficiency solutions with high feed, Facing, Ramping, Plunging and Helical interpolation.

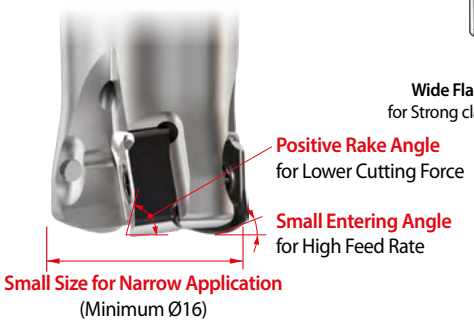
ENMX Features

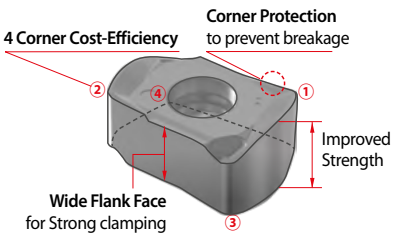
- Cutter Diameter range : 16~125mm (.625"~6")
- Double-sided insert with 4 corners
- Wide flank face with reinforced insert shape
- Positive rake angle & Small entering angle

ENMX General
Carbon Steel
Low Alloy Steel
Alloy Steel

ENMX -TR
Reinforced Edge
High Alloy Steel
Hardened Steel
Cast Iron

ENMX -ST
Sharp Geometry
Stainless Steel
Sticky Material
Super Alloy





Applications

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CAPTIVE INSERTS

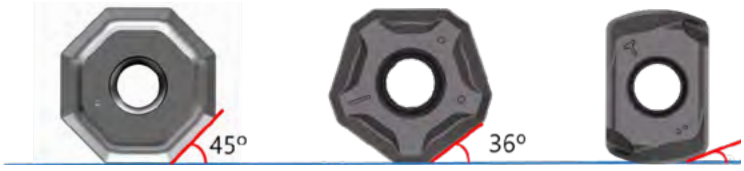
FM10 PNMU 1206

36° ENTRY ANGLE WITH 10 CORNER FACE MILL

PNMU Features

- Economical pentagonal double sided 10 cutting edge insert
- Higher depth of cut than high feed mill and higher feed rate than conventional face mill.
- High Versatility with optimized grades

Entry Angle Comparison



*** Entry Angle 45°**

- Big depth of cut
- Small feed rate
- 8 corner insert

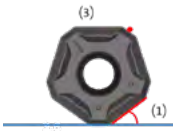
*** Entry Angle 36°**

- Increase feed rate
- Higher depth of cut than high feed concept
- 10 corner insert

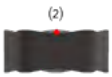
*** Entry Angle 10°**

- High feed rate
- Small depth of cut
- 4 corner insert

Key Technology



1. Entry Angle 36°
- Increase feed rate
- Smaller average chip thickness



2. Curved Cutting Edge & Wiper
- Improve cutting force & surface roughness

3. 10 cutting edges
- Efficient cost for customer

Applications

Face Milling

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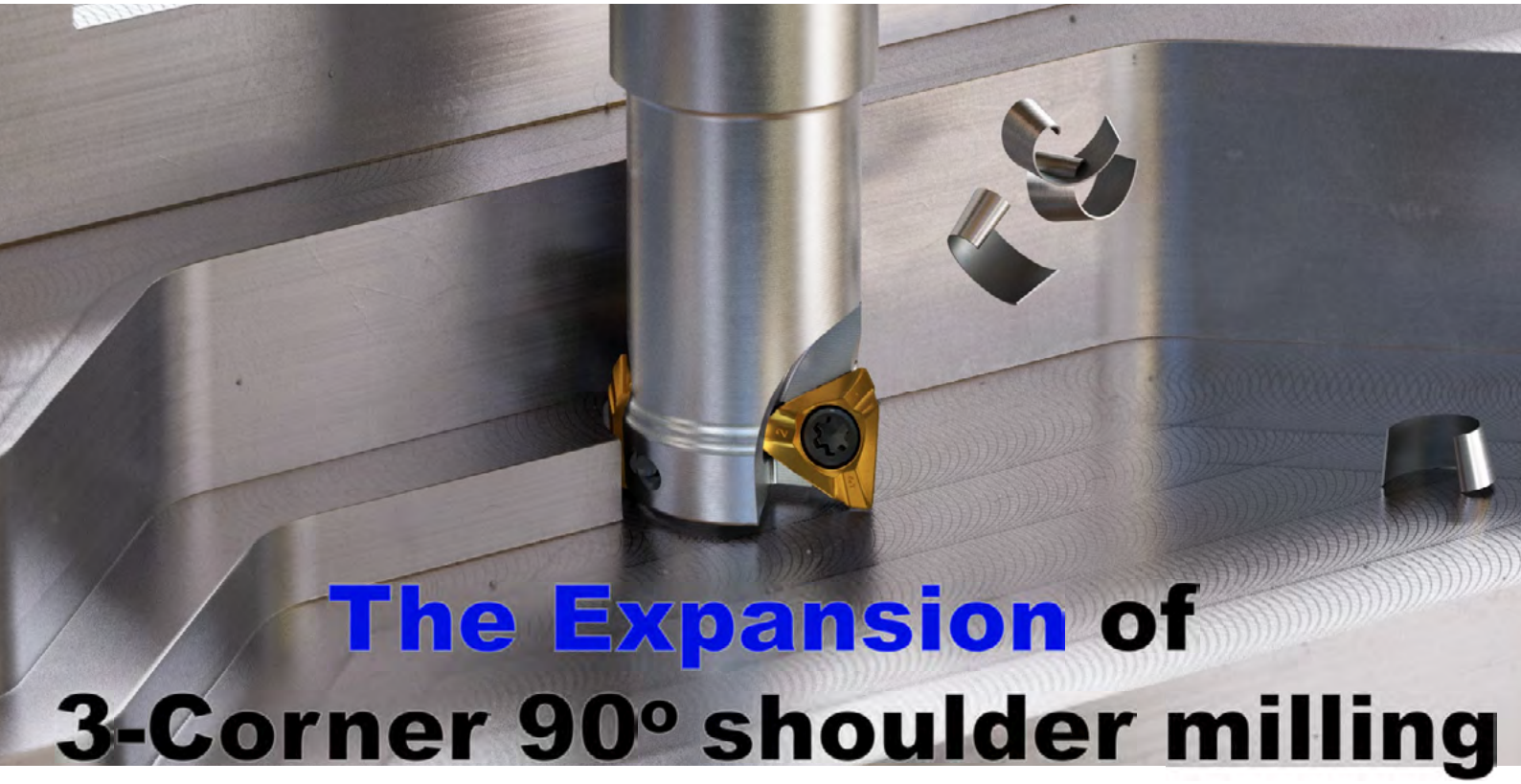
CAPTIVE INSERTS

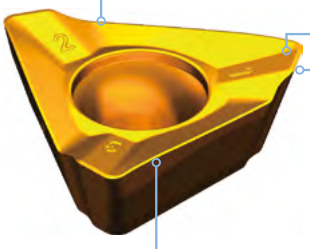


The Expansion of 3-Corner 90° shoulder milling

New technology developed with 3 cutting edges by YG-1 can provide very smooth cutting and exceptional performance for high productivity

TPKT

Features



① **High helix cutting edge**
- Smooth cutting and low cutting force

② **High positive rake angle chip breaker**
- Optimized chip curl and minimized burr

③ **Wide wiper edge**
- Excellent surface finish

④ **Curved cutting edge**
- Minimized mismatch

Key Technology

True 90° shoulder milling

Larger core size
- Higher rigidity

Optimal insert placement
- More inserts for high productivity

Applications

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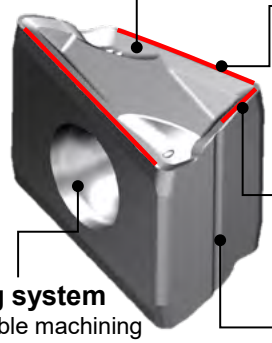
CAPTIVE INSERTS

4 Cutting Edge
High Productivity Tangential Insert

YG-1 has developed a 4 cutting edge tangential type milling inserts in response to market demand for higher productivity

LNKU
LNHU
Key Technology



√ **High positive rake face**
- Optimal chip curl & minimized burrs

√ **High helix cutting edge**
- Low cutting force and Smooth cutting

√ **Curved cutting edge**
- Minimized mismatch

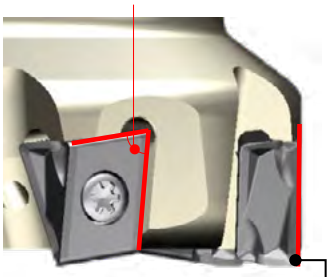
√ **Long length of cutting edge**
- Larger depth of cut

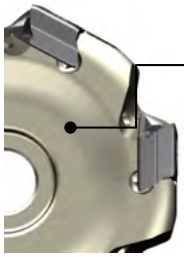
√ **Wide wiper flat cutting edge**
- Excellent surface quality

√ **Tangential clamping system**
- Rigid clamping and stable machining

√ **Thicker insert**
- Ultra rigidity

✓ **Higher clamping stability** with wedge shaped pocket





√ **Larger Core Diameter**
- Increased rigidity

✓ **True 90º shoulder milling**

Applications

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CAPTIVE INSERTS

6-Corner 90° Shoulder Milling Insert

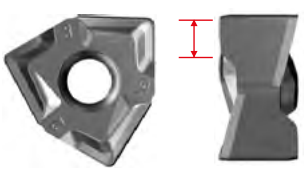
New technology developed by YG-1 with 6 cutting edges provides very smooth machining and exceptional performance with multi corner economy

WNEX

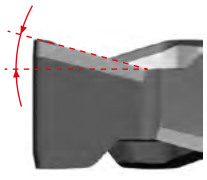
Features

- 6 cutting edges for Shouldering - High Cost-Efficiency
- High Positive Helical Cutting edge
- High Chipping Resistance with Reinforced cutting edge
- Ground Insert – High Precision Tolerance and Excellent Surface finish
- Diameter range : Ø32~ Ø200
- Ap (max) : 7mm

Key Technology



Wider wiper edge length



High Helix
cutting edge

Unique
Chip groove

Applications

Face Milling

Shouldering

Slotting

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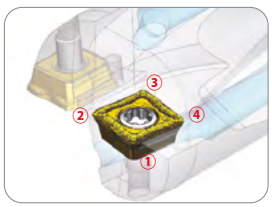
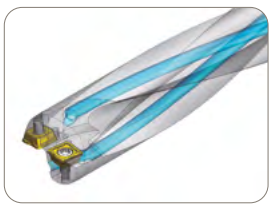
CAPTIVE INSERTS

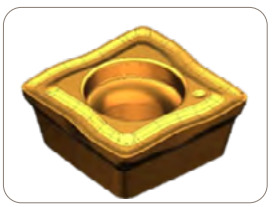
YG-1 has developed New Captive type 4 corner Drill with highly efficient hole making solution

SYMX Features

- Economic square type 4 cutting edge insert
- One kind of insert in outer and inner pocket
- Twisted coolant channel and enlarged chip gullet for better chip evacuation
- Highly durable drill body due to high hardness and optimized material
- New post surface Treatment flute enables to improved chip evacuation in deeper machining

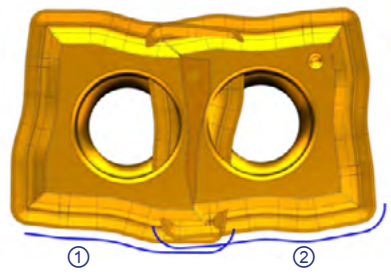






Key Technology

- Unique 1 chip curl per each flute
- True 4 cutting edges are available



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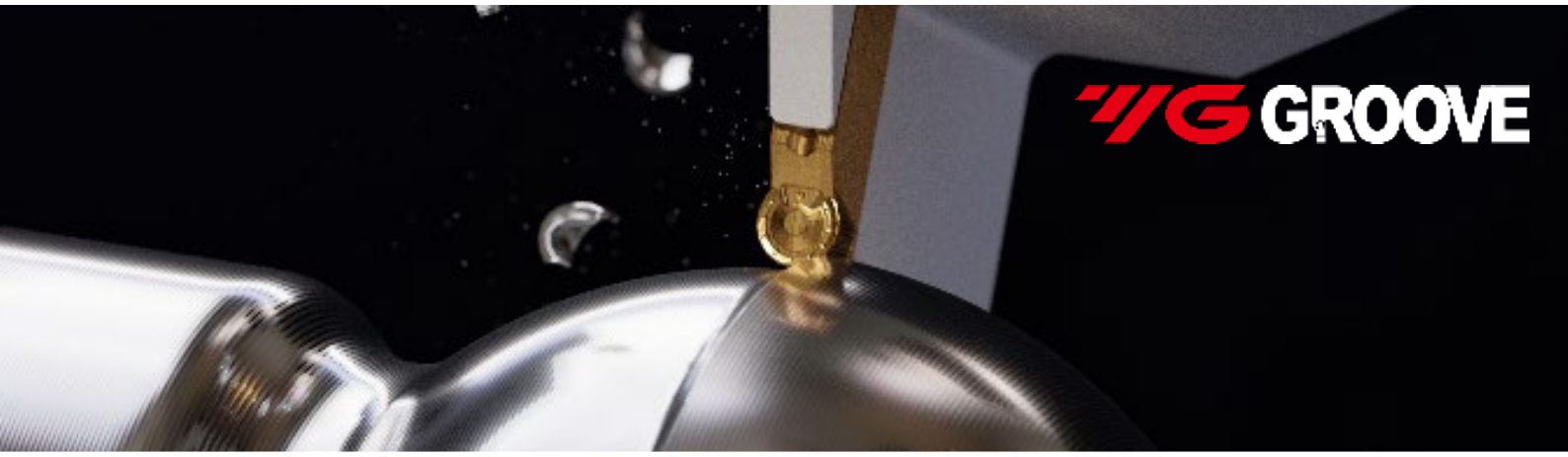
PARTING & GROOVING



Parting & Turn-groove Insert for Multi-purpose machining

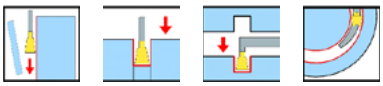
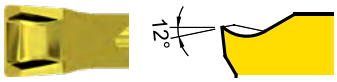
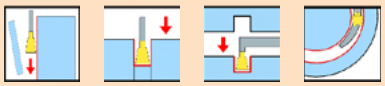
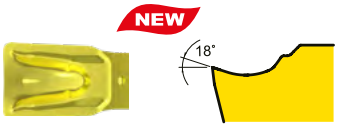
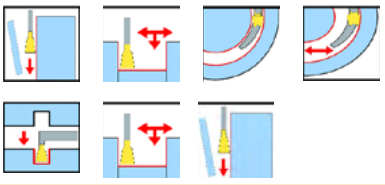
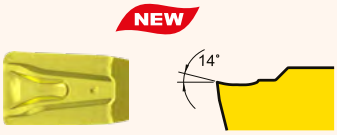
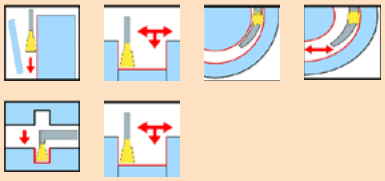
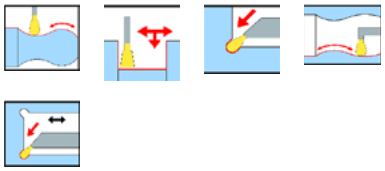
Expansion of Products

The newly designed double-ended Parting & Turn-groove Insert with bigger size of width 5 to 8mm offers a wide range of applications.

Parting & Grooving Inserts

		Inserts	
	TD. Series	TDN, TDP, TDY	5, 6 and 8 mm

Parting & Grooving Chipbreakers

Parting & Grooving	-P		For Parting & Deep Grooving For Low Feed Rate and Difficult to Cut Materials	
	-N		For External Parting And Grooving For General Use	
Turning & Grooving	GL	NEW 	For External, Internal turning and Grooving Face grooving and Face turning For low feed rate	
	GM	NEW 	For External, Internal turning and Grooving First choice Face Grooving and Face turning For Medium feed rate	
	RG	NEW 	For External, Internal turning and Grooving Full radius Insert for Profiling	

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