

PROMO



CAPTIVE LINE

JUSQU'AU 31 DECEMBRE 2025



10 PLAQUETTES / LOGEMENT ACHETES => LA FRAISE A 1,50 € HT

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

30 PLAQUETTES ACHETES + 1 FORET => UN 2EME FORET IDENTIQUE A 1,50 € HT

SYM05/06/07/08

20 PLAQUETTES ACHETES => LE PORTE-OUTIL A 1,50 € HT

TRONCONNAGE ET GORGE 5MM/6MM/8MM

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



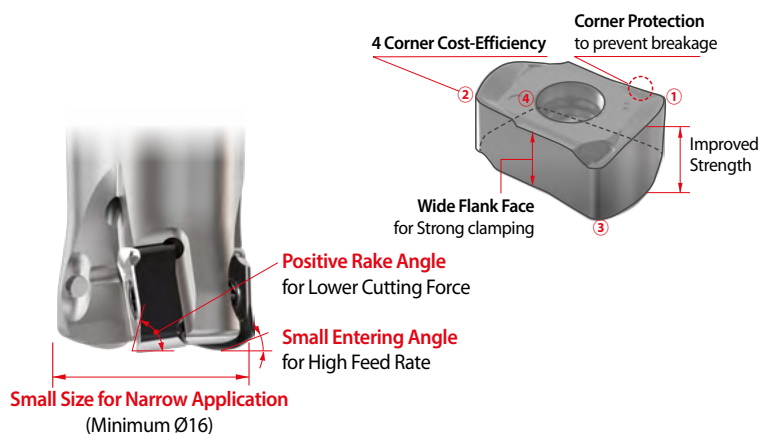
ENMX[®] -TR

Reinforced Edge
High Alloy Steel
Hardened Steel
Cast Iron

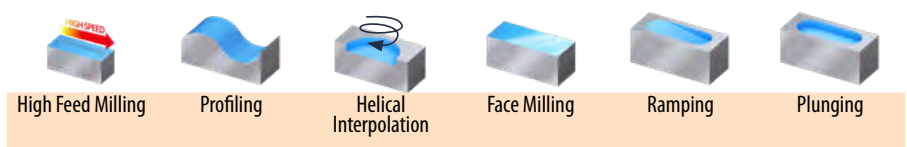


ENMX[®] -ST

Sharp Geometry
Stainless Steel
Sticky Material
Super Alloy



Applications



CAPTIVE INSERTS



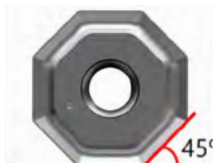
FM10 PNMU 1206

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°

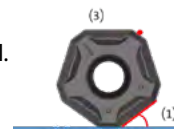
- Increase feed rate
- Higher depth of cut than high feed concept
- 10 corner insert



* 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

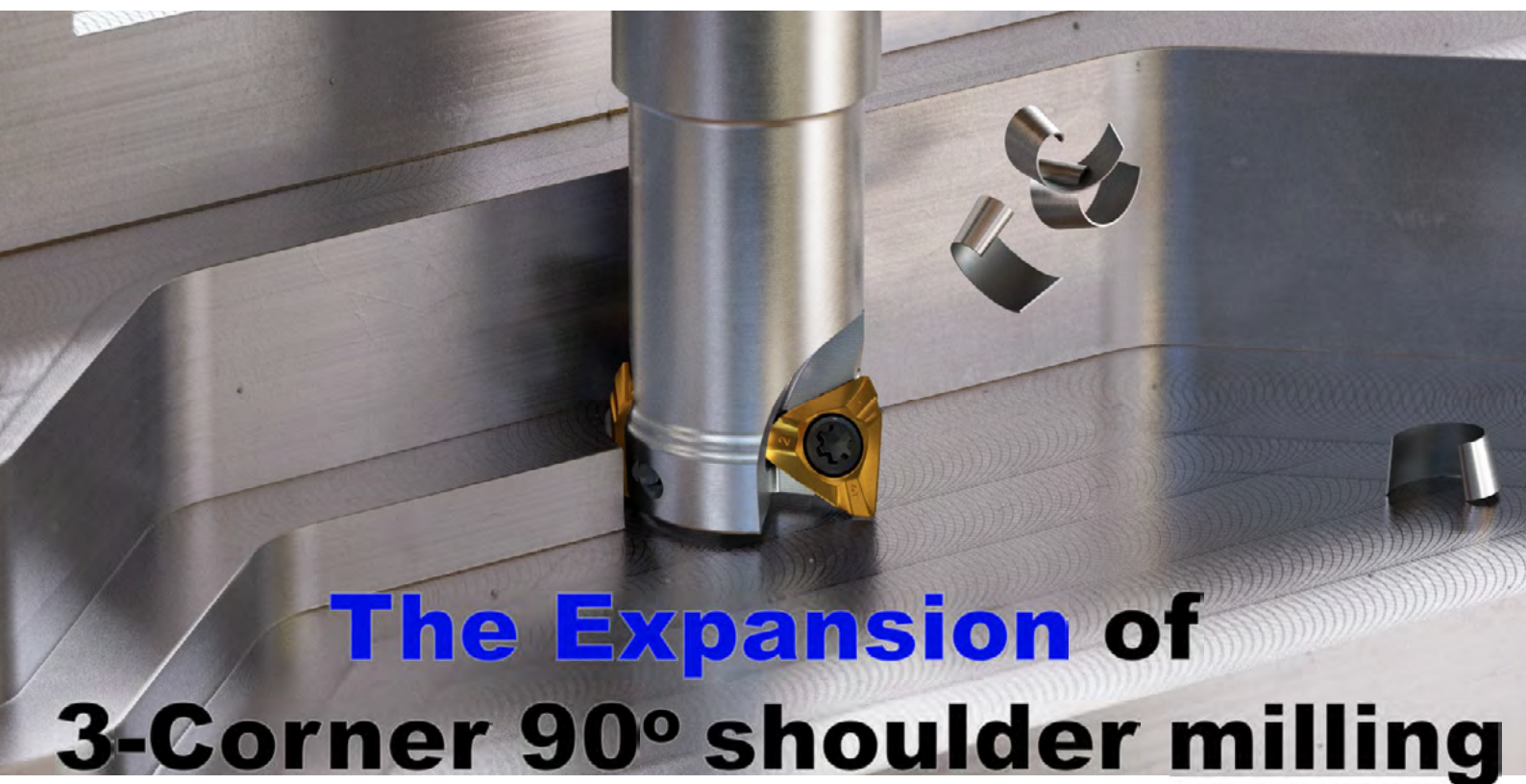
- Efficient cost for customer

Applications



Face Milling

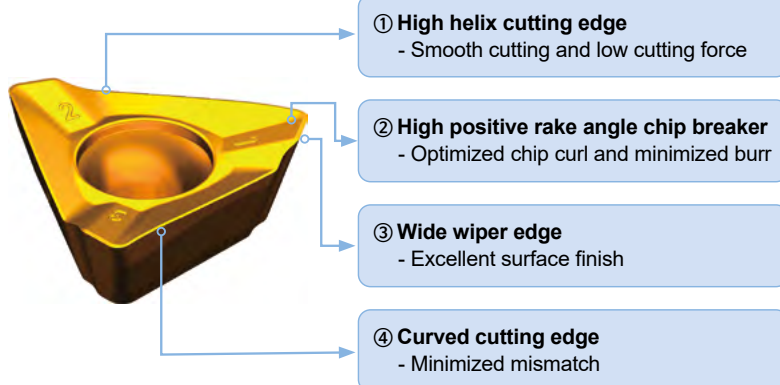
CAPTIVE INSERTS



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



Key Technology



True 90°
shoulder milling

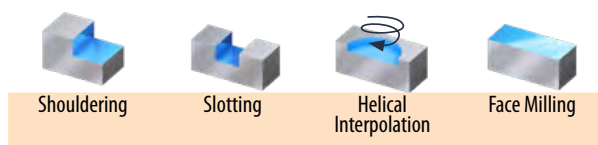


Larger core size
- Higher rigidity



Optimal insert placement
- More inserts for high productivity

Applications



CAPTIVE INSERTS



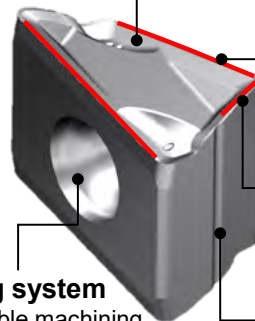
4 Cutting Edge High Productivity Tangential Insert

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

LNKU Key Technology
LNHU

- ✓ **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

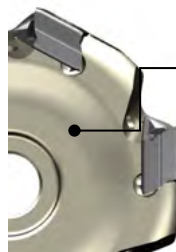


- ✓ **Wide wiper flat cutting edge**
 - Excellent surface quality

- ✓ **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 90° shoulder milling**

Applications



CAPTIVE INSERTS

6-Corner 90° Shoulder Milling Insert

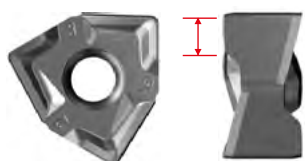
New technology developed by YG-1 with 6 cutting edges provides very smooth machining and exceptional performance with multi corner economy

WNEX

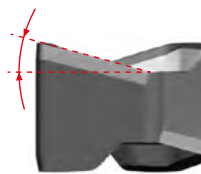
Features

- 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

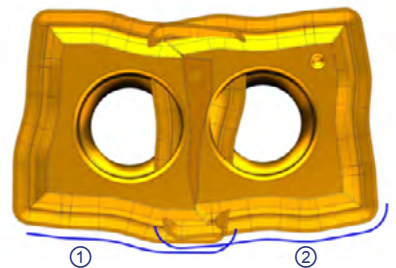
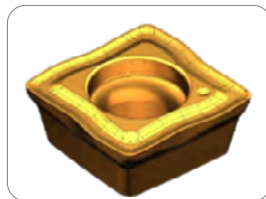
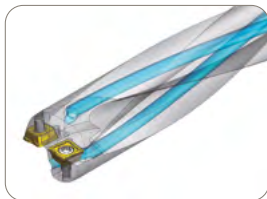
CAPTIVE INSERTS



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

SYMIX 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

PARTING & GROOVING


YG GROOVE

Parting & Turn-groove Insert for Multi-purpose machining

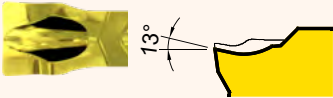




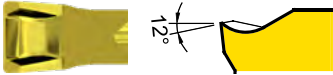




















Expansion of Products

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

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

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		For External, Internal turning and Grooving Face grooving and Face turning For low feed rate	      
	GM		For External, Internal turning and Grooving First choice Face Grooving and Face turning For Medium feed rate	     
	RG		For External, Internal turning and Grooving Full radius Insert for Profiling	