

Strictly Confidential



Product Portfolio

Rotating

January 2020

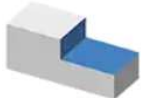
Milling Insert Selection



YG-1 INSERT MILLING

YG-1 Milling Tools are newly developed to boost productivity. Its advance designed geometry brings out extraordinary performances, creating a longer tool life with outstanding productivity. Also a variety of size and shapes are available for multiple applications.

Shouldering



2 Corner
Positive

APKT
ADKT
AOMT

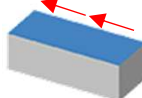
Facing



8 Corner
Negative
Positive

ONMU
ODMT
OFER
OFMT

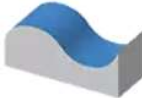
High Feed



4 Corner
Positive

SDMT

Profiling



Round
Positive

Etc



ISO

RDKT
RPMT

Square
Triangle

SPUN
TPUN



3 Corner
ISO

TPKN/R



4 Corner
Negative
Positive
ISO

SNMX
SEKT
SDKN
SEKN/R
SPKN/R

Milling Grade Selection

Milling Grades	P Steel				M Stainless Steel				K Cast Iron				N Non Ferrous Metals				S Heat Resistant Super Alloy				H Hardened Materials			
	05	15	25	35	05	15	25	35	05	15	25	35	05	15	25	35	05	15	25	35	05	15	25	35
YG602			602				602				602								602					
YG622			622								622													
YG712			712								712													
YG603				603			603																	
YG501			501								501													
YG500															2002									

Milling Grades

NEW **YG602** P20-P35 M20-M40
K20-K40 S15-S25
 Multi-Purpose Grade

NEW **YG603** M30-M45 P30-P45
 for Stainless Steel

NEW **YG622** P20-P40 K20-K40
 For Alloyed Steels (Mold & Die)
 and unstable conditions

NEW **YG501** K05-K25 P05-P25
 for Cast Iron

NEW **YG712** P10-P30 K10-K30
 for Steels in stable conditions

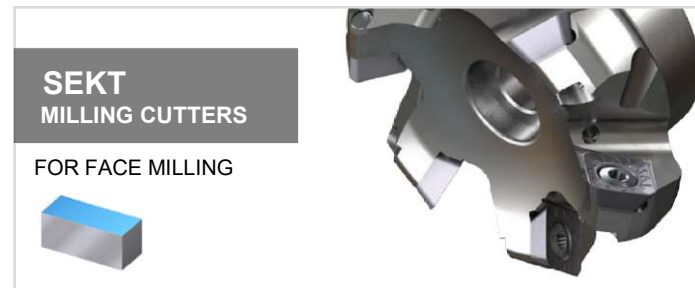
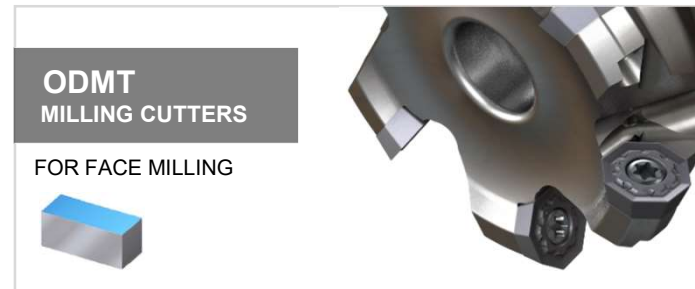
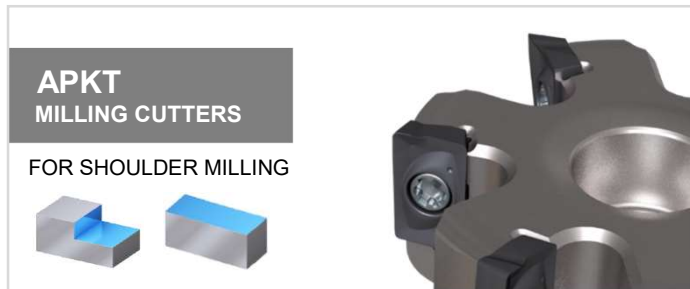
YG2002 N05-N35
 for Aluminum

Milling Chipbreakers


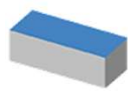
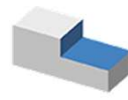

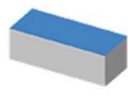
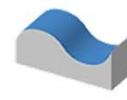

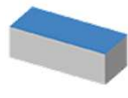

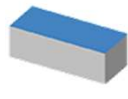

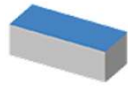

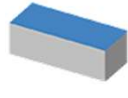

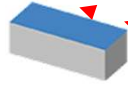
P	M	K	N	S	H	Chipbreaker	Application
			N			-AL	Aluminum
	M			S		-ST	Sharp Edge Sticky materials Stainless Steel & Super Alloys
P	M	K				General	General Application Alloy Steels
P		K				-TR	Reinforced Edge High Alloyed Steels & Cast Irons
P		K			H	..W	Hardened Materials Cast Irons

Milling Cutter Selection

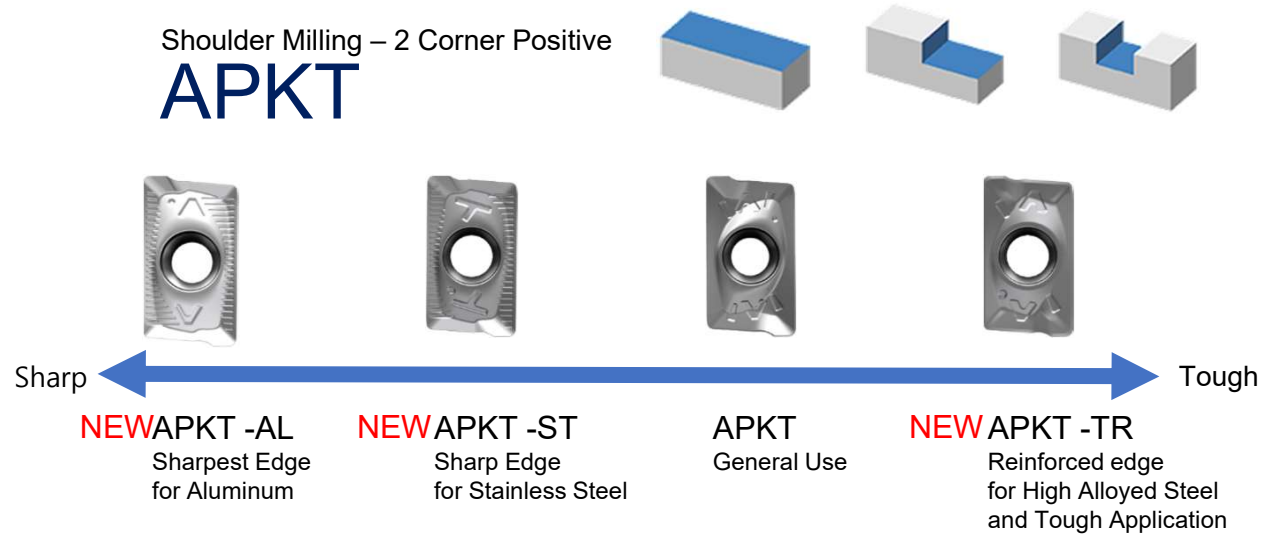
Milling Cutter Series



Milling Cutter Selection

MAIN SERIES	SHAPE	APPLICATION
APKT 90° Milling – 2 Corner Positive		 
RDKT Profiling - Round Positive		 
ODMT Face Milling – 8 Corner (Octagonal Positive)		
SEKT Face Milling – 4 Corner (Square Positive)		
ONMU Face Milling – 16 Corner (Octagonal Negative)		
SNMX Face Milling – 8 Corner (Square Negative)		
SDMT High Feed Milling – 4 Corner (Square Positive)		

Shoulder Milling



Application (All Industries)

- 90 degree Shoulder Milling & Slot Milling

Features

- Various Chipbreakers covering all materials
- Positive Insert for Lower cutting force
- Size : APKT 10, 16 / APMT 11, 16

Set Promotion
Insert + Cutter



Profile Milling



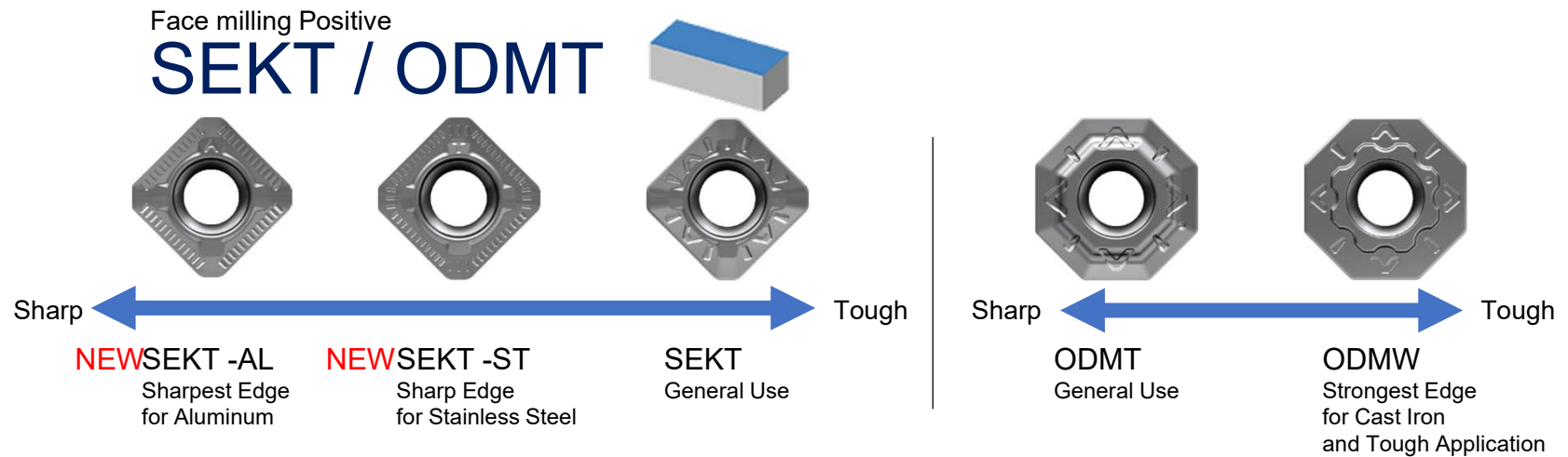
Application (Mold & Die)
• Profiling and High feed milling

- Features
- Various Chipbreakers covering All kinds of materials
 - Positive Insert for Lower cutting force
 - Size : RDKT 08, 10, 12

Kit Promotion
Insert + Cutter



Face Milling – Positive



Application

- When low cutting force or sharp edge is needed
- Chipbreakers stainless steel (-ST) , and Aluminum (-AL)
- Unstable machining condition

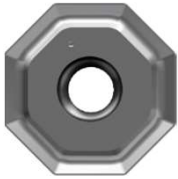
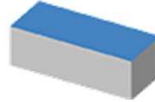
Features

- Various Chipbreakers covering all materials
- Positive inserts for low cutting force
- SEKT : Lower cutting force and deeper cutting depth
- ODMT : 8 cutting edges

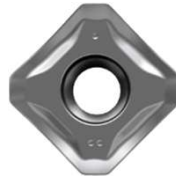


Face Milling – Negative

Face milling Negative
NEW ONMU / SNMX



NEW ONMU
General Use



NEW SNMX
General Use

Application Face Milling

- Primarily Cast Iron and Steel

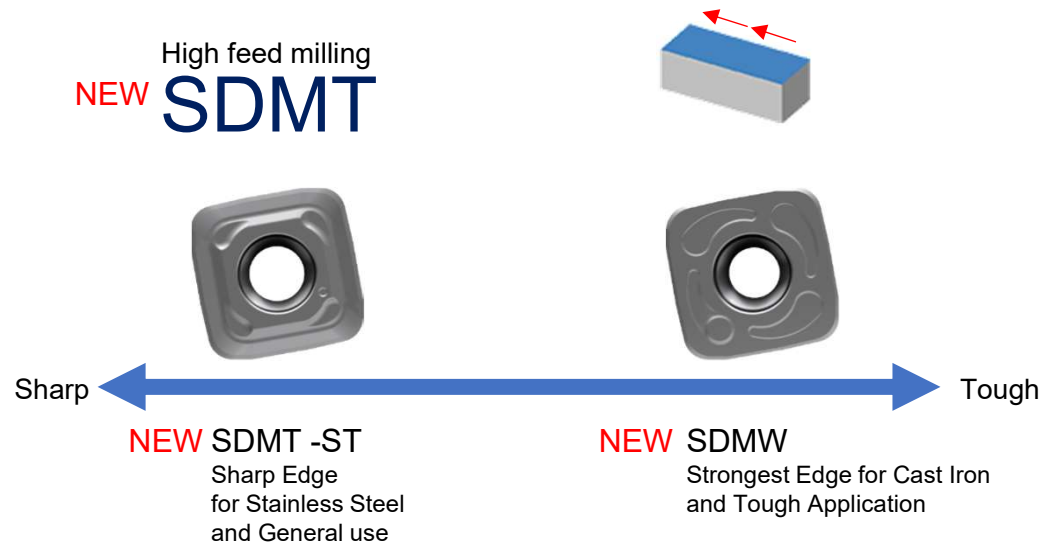
Features

- Negative insert provides lower cost per part
- ONMU : 16 cutting edges for economic machining
- SNMX : 8 cutting edges with deeper available cutting depth

Kit Promotion
Insert + Cutter



High Feed Milling – Positive



Application (Mold & Die)

- High feed milling

Features

- 2 Chipbreakers for various materials
- Positive Insert for Lower cutting force

Kit Promotion
Insert + Cutter





Drilling portfolio







YG INSERT DRILLING

YG-1 DRILLING Tools are newly developed to boost productivity. Its advance designed geometry brings out extraordinary performances, creating a longer tool life with outstanding productivity. Also a variety of size and shapes are available for multiple applications.

INSERT DRILLING SERIES

SERIES	PRODUCT	FEATURES
WCMX		3 Corner. Can be off-set (incl. boring)
SPMX		4 Corner. Cannot be off-set

INSERT DRILLING CHIPBREAKERS

CHIPBREAKERS	DESIGN	FEATURES
General	 	First choice for General application
-ST	 	for Stainless Steels, and Long chip materials

Indexable Drilling

INDEXABLE DRILLING INSERTS **WCMX Series**

Features

- Cost Efficient : 3 corner insert
- Size : WCMX 04, 05, 06, 08

Benefit

- Versatility : Available on Angled Entrance, and Hole Across
- Easy to Choose : YG602 Multi-Purpose Grade



INDEXABLE DRILLING INSERTS
SPMX Series

Features

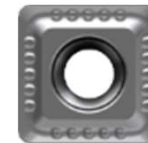
- 4 corner insert
- Size : SPMX 05, 06, 07, 09, 11, 14
- Chipbreakers
 - SPMX General : for General Application
 - SPMX -ST : for Stainless steels and Long chip materials

Benefit

- Cost Effective (4 corners)
- Versatility : Angled Entrance and Hole Across
- Grade : YG602 Multi-Purpose Grade



SPMX
General
Purpose



SPMX -ST
Sharp Edge
For Long chip materials



www.yg1usa.com



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