

## YG-1 INDEXABLE MILLING

YG-1 products are proudly stocked in our Canadian warehouse



YG-1 CANADA INC.

# ACT NOW FOR SPECIAL PRICING

## INDEXABLE INSERT MILLING SOLUTIONS

### PROMO KIT 2024

Available in Canada through  
YG-1 participating distributors

 **MILL**  
**PNMU**

Ability to rough and finish with one cutter

[ecomm.yg1.ca](http://ecomm.yg1.ca)  
905.335.2500

**YG-1 CANADA INC.**

YG-1 INDEXABLE MILLING SOLUTIONS







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## MILLING DESIGNATION SYSTEM

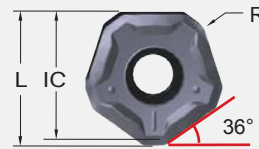
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# PNMU- Face Milling

## Cutting Angle : 36° / 10 Corner Negative

30% higher feed than the typical facemill .  
Higher depth of cut than a high feed mill.  
Ability to rough and finish with one cutter.

### 1. PNMU / Milling Insert



#### - 36° entry angle

Increased feed rate by 30% over typical 45° facemill  
Outstanding stability due to direction of force into to spindle.

#### - 10 true cutting edges

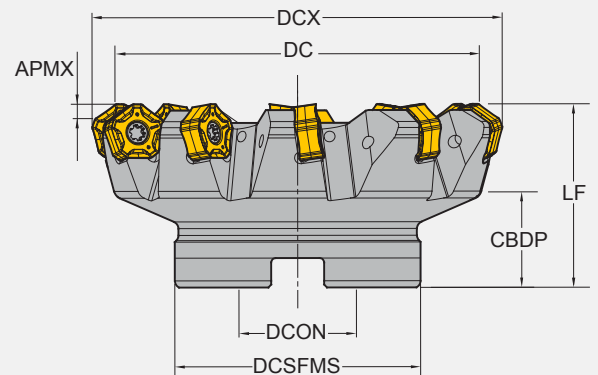
Separation of cutting edge and wiper yields full use of all 10 edges, resulting in outstanding value.

#### - Curved cutting edge and wiper

Reduced cutting forces and improved surface finish.

### 2. PNMU / Milling Cutter

#### - Shell Mill



# PNMU / Milling KIT (Inserts+Cutter) Promo



PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 500	Kit F-PNMU12-D200Z4	Ø2 F36 Facemill, PNMU12 (Z=4)	PNMU1206ZNN-YG602	x 20	F36-PNMU12-D200Z4S075I	x 1
\$ 550	Kit F-PNMU12-D250Z5	Ø2.5 F36 Facemill, PNMU12 (Z=5)	PNMU1206ZNN-YG602	x 20	F36-PNMU12-D250Z5S075I	x 1
\$ 675	Kit F-PNMU12-D300Z8	Ø3 F36 Facemill, PNMU12 (Z=8)	PNMU1206ZNN-YG602	x 20	F36-PNMU12-D300Z8S100I	x 1
\$ 900	Kit F-PNMU12-D400Z10	Ø4 F36 Facemill, PNMU12 (Z=10)	PNMU1206ZNN-YG602	x 30	F36-PNMU12-D400Z10S125I	x 1
\$ 1200	Kit F-PNMU12-D600Z14	Ø6 F36 Facemill, PNMU12 (Z=14)	PNMU1206ZNN-YG602	x 30	F36-PNMU12-D600Z14S200I	x 1

## 1. PNMU / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	fz(min)	fz (max)	* APPLICATION
12000535	PNMU1206ZNN-YG602	.031	.157	.003	.024	General, Multi Material

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	fz(min)	fz (max)	* APPLICATION
12000761	PNMU1206ZNN-ST-YG602	.031	.157	.004	.024	Steel, Stainless steel, Superalloys
12000596	PNMU1206ZNN-YG712	.031	.157	.003	.024	Steel
12000645	PNMU1206ZNN-YG713	.031	.157	.003	.024	Steel
12000753	PNMU1206ZNN-YG012	.031	.157	.003	.020	Steel, Hardened steel
12000534	PNMU1206ZNN-YG5020	.031	.157	.005	.024	Cast iron
12000538	PNMU1206ZNN-YG501G	.031	.157	.004	.024	Cast iron
12000760	PNMU1206ZNN-ST-YG613	.031	.157	.004	.020	Stainless steel, Superalloys
12000671	PNMU1206ZNN-YG613	.031	.157	.003	.020	Stainless steel, Superalloys

## 2. PNMU / Milling Cutter

\* Refer to page 21

EDP No.	DESCRIPTION	TYPE	* KAPR	DC	DCON	ZN
17000468	F36-PNMU12-D200Z4S075I	Shell Mill	36°	2.00"	0.75"	4
17000788	F36-PNMU12-D250Z5S075I	Shell Mill	36°	2.50"	0.75"	5
17000469	F36-PNMU12-D300Z8S100I	Shell Mill	36°	3.00"	1.00"	8
17000470	F36-PNMU12-D400Z10S125I	Shell Mill	36°	4.00"	1.25"	10
17000863	F36-PNMU12-D600Z14S200I	Shell Mill	36°	6.00"	2.00"	14

# APKT - Shoulder Milling

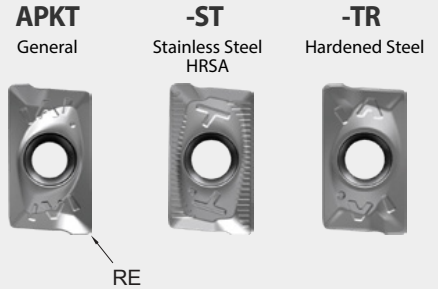
## Cutting Angle : 90° / 2 Corner Positive

YG-1's proven APKT Series gives you the best value in 90-degree milling. From 5/8" to 4.0", seeing is believing.

90-degree shoulder

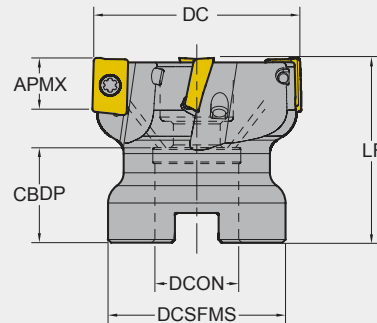
Excellent performance for your square shoulder applications in steel, stainless, cast iron and aluminum.

### 1. APKT / Milling Insert

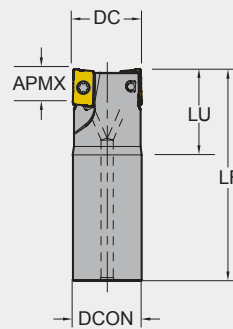


### 2. APKT / Milling Cutter

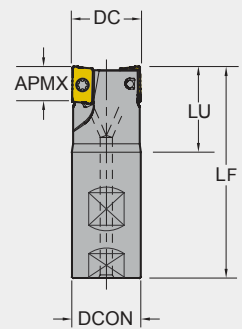
#### - Shell Mill



#### - Cylindrical



#### - Weldon



# APKT / Milling KIT (Inserts+Cutter) Promo



PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert	2. Milling Cutter
\$ 125	Kit EM0.625x.625-10	Ø.625 Shoulder EM (.625" shank), APKT10	APKT100305PDTR YG602 × 10	E90-APKT10-D0625Z2W0625-L350i × 1
\$ 125	Kit EM0.750x.750-10	Ø.75" Shoulder EM (.75" shank), APKT10	APKT100305PDTR YG602 × 10	E90-APKT10-D075Z3W075-L320i × 1
\$ 130	Kit EM1.00x1.00-10	Ø1" Shoulder EM (1" shank), APKT10	APKT100305PDTR YG602 × 10	E90-APKT10-D100Z4W100-L350i × 1
\$ 130	Kit EM1.00x.75-10	Ø1" Shoulder EM (.75" shank), APKT10	APKT100305PDTR YG602 × 10	E90-APKT10-D100Z4C075-L350i × 1
\$ 145	Kit FM 1.50-4FL-10	Ø1.5" Shoulder Facemill, APKT10	APKT100305PDTR YG602 × 10	F90-APKT10-D150Z4S075i × 1
\$ 230	Kit FM 2.00-7FL-10	Ø2" Shoulder Facemill, APKT10	APKT100305PDTR YG602 × 10	F90-APKT10-D200Z7S075i × 1
\$ 150	Kit EM1.00x1.00-16	Ø1" Shoulder EM (1" shank), APKT16	APKT160408PDTR YG602 × 10	E90-APKT16-D100Z2W100-L400i × 1
\$ 190	Kit EM1.00x1.00-16 (L)	Ø1" Shoulder EM (1" shank 10" Long), APKT16	APKT160408PDTR YG602 × 10	E90-APKT16-D100Z2W100-L10000i × 1
\$ 150	Kit EM1.25x1.00-16	Ø1.25" Shoulder EM (1" shank), APKT16	APKT160408PDTR YG602 × 10	E90-APKT16-D125Z3W100-L400i × 1
\$ 225	Kit EM1.25x1.00-16 (L)	Ø1.25" Shoulder EM (1.25" shank 10" Long), APKT16	APKT160408PDTR YG602 × 10	E90-APKT16-D125Z3W100-L10000i × 1
\$ 225	Kit FM 2.00-5FL-16	Ø2" Shoulder Facemill, APKT16	APKT160408PDTR YG602 × 20	F90-APKT16-D200Z5S075i × 1
\$ 230	Kit FM 2.50-6FL-16	Ø2.5" Shoulder Facemill, APKT16	APKT160408PDTR YG602 × 20	F90-APKT16-D250Z6S075i × 1
\$ 330	Kit FM 3.00-7FL-16	Ø3" Shoulder Facemill, APKT16	APKT160408PDTR YG602 × 20	F90-APKT16-D300Z7S100i × 1
\$ 400	Kit FM4.00-8FL-16	Ø4" Shoulder Facemill, APKT16	APKT160408PDTR YG602 × 20	F90-APKT16-D400Z8S150i × 1

## 1. APKT / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	SERIES	RE	APMX	fz(min)	fz(max)	* APPLICATION
12000005	APKT100305PDTR YG602	APKT10	.020	.315	.0030	.0055	General, Multi Material
12000001	APKT160408PDTR YG602	APKT16	.031	.630	.0035	.0079	General, Multi Material

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	Fz	* APPLICATION
12000004	APKT100308PDTR YG602	.031	.315	.0030 - .0055	General, Multi Material
12000278	APKT100305-ST YG602	.020	.315	.0020 - .0060	Stainless Steel, Steel, HRSA
12000235	APKT100305-AL YG2002	.020	.315	.0030 - .0200	Aluminum
12000429	APKT100305PDTR YG622	.020	.315	.0020 - .0055	General, Steel, Cast Iron
12000430	APKT100308PDTR YG622	.031	.315	.0030 - .0060	General, Steel, Cast Iron
12000610	APKT100308PDTR YG613	.031	.315	.0030 - .0060	Steel, Stainless, Hi-Toughness
12000618	APKT100305-ST YG613	.020	.315	.0020 - .0055	Stainless Steel, Steel, HRSA
12000632	APKT100308PDTR YG713	.031	.315	.0030 - .0060	General Steel Only
12000638	APKT100305PDTR YG713	.020	.315	.0020 - .0055	General Steel Only
12000672	APKT100305PDTR YG613	.020	.315	.0020 - .0055	Steel, Stainless, Hi-Toughness
12000003	APKT160404PDTR YG602	.016	.630	.0035 - .0079	General, Multi Material
12000002	APKT160412PDTR YG602	.047	.630	.0035 - .0079	General, Multi Material
12000006	APKT160416PDTR YG602	.062	.630	.0035 - .0079	General, Multi Material
12000255	APKT160424 PDTR YG602	.094	.630	.0035 - .0079	General, Multi Material
12000270	APKT160408-ST YG602	.031	.630	.0030 - .0080	Stainless Steel, Steel, HRSA
12000492	APKT160404-TR YG602	.016	.630	.0050 - .0100	Hardened Steel / Protected Edge
12000256	APKT160408-TR YG602	.031	.630	.0055 - .0100	Hardened Steel / Protected Edge

## 2. APKT / Milling Cutter

\*\* Modifiable shanks by customer \* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	LU	DCFSMS	* KAPR	* RMPX
17000144	E90-APKT10-D0625Z2W0625-L350i	APKT10	Weldon	2	.625	.63	3.25	.625	1.00	.63	90°	7.0°
17000146	E90-APKT10-D075Z3W075-L320i	APKT10	Weldon	3	.750	.75	3.20	.750	1.22	.75	90°	3.5°
17000149	E90-APKT10-D100Z4C075-L350i	APKT10	Cylindrical	4	1.000	1.00	3.50	.750	----	.75	90°	1.8°
17000148	E90-APKT10-D100Z4W100-L350i	APKT10	Weldon	4	1.000	1.00	3.50	1.000	1.22	1.00	90°	1.8°
17000150	F90-APKT10-D150Z4S075i	APKT10	Shell Mill	4	1.500	1.50	1.75	.750	----	1.38	90°	1.0°
17000151	F90-APKT10-D200Z7S075i	APKT10	Shell Mill	7	2.000	2.00	1.75	.750	----	1.58	90°	0.7°
17000158	E90-APKT16-D100Z2W100-L400i	APKT16	Weldon	2	1.000	1.00	4.00	1.000	** 1.22	1.00	90°	5.4°
17000208	E90-APKT16-D100Z2W100-L1000i	APKT16	Weldon	2	1.000	1.00	10.00	1.000	1.22	1.00	90°	5.4°
17000159	E90-APKT16-D125Z3W100-L400i	APKT16	Weldon	3	1.250	1.25	4.00	1.000	----	1.00	90°	3.9°
17000205	E90-APKT16-D125Z3W125-L1000i	APKT16	Weldon	3	1.250	1.25	10.00	1.250	** 1.22	1.25	90°	3.9°
17000160	F90-APKT16-D200Z5S075i	APKT16	Shell Mill	5	2.000	2.00	1.75	.750	----	1.58	90°	NR
17000161	F90-APKT16-D250Z6S075i	APKT16	Shell Mill	6	2.500	2.50	2.00	.750	----	2.01	90°	NR
17000162	F90-APKT16-D300Z7S100i	APKT16	Shell Mill	7	3.000	3.00	2.00	1.000	----	2.24	90°	NR
17000207	F90-APKT16-D400Z8S150i	APKT16	Shell Mill	8	4.000	4.00	2.00	1.000	----	3.00	90°	NR



# SEKT - Face Milling

## Cutting Angle : 45° / 4 Corner Positive

For tough carbide performance that makes the grade every time, YG-1's SEKT Series is on target to be your No. 1 choice in 45-degree milling performance. Lets you handle a wide range of milling operations from general purpose steels and stainless to cast iron and aluminum, with precision and ease.

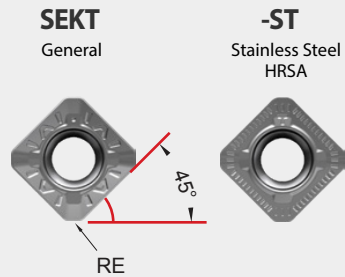
Advanced geometry provides excellent 45-degree cutting performance.

Designed for semi-finishing to heavy milling.

3 Insert geometries for optimizing performance in steel/iron, stainless steel and aluminum.

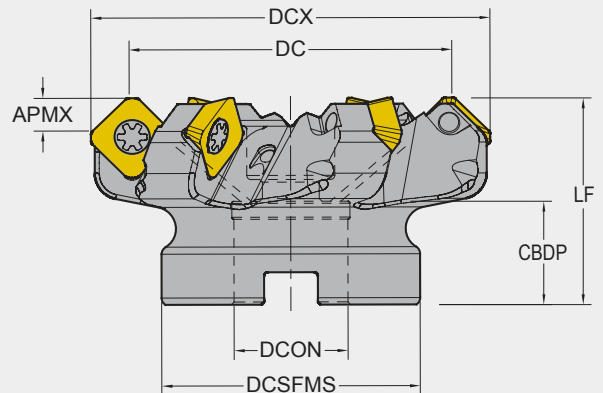


### 1. SEKT / Milling Insert



### 2. SEKT / Milling Cutter

- Shell Mill





PROMO Kit PRICE(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 160	Kit F45-SEKT-D150Z4	Ø1.5" 45° Facemill, SEKT1204 (Z=4)	SEKT1204AFTNYG602	x 10	F45-SEKT12-D150Z4S050i	x 1
\$ 170	Kit F45-SEKT-D200Z5	Ø2" 45° Facemill, SEKT1204 (Z=5)	SEKT1204AFTNYG602	x 10	F45-SEKT12-D200Z5S075i	x 1
\$ 170	Kit F45-SEKT-D250Z4	Ø2" 45° Facemill, SEKT1204 (Z=4)	SEKT1204AFTNYG602	x 10	F45-SEKT12-D250Z4S075i	x 1
\$ 240	Kit F45-SEKT-D250Z6	Ø2" 45° Facemill, SEKT1204 (Z=6)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D250Z6S075i	x 1
\$ 230	Kit F45-SEKT-D300Z4	Ø3" 45° Facemill, SEKT1204 (Z=4)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D300Z4S100i	x 1
\$ 280	Kit F45-SEKT-D300Z7	Ø3" 45° Facemill, SEKT1204 (Z=7)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D300Z7S100i	x 1
\$ 320	Kit F45-SEKT-D400Z8	Ø4" 45° Facemill, SEKT1204 (Z=8)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D400Z8S125i	x 1
\$ 440	Kit F45-SEKT-D500Z10	Ø5" 45° Facemill, SEKT1204 (Z=10)	SEKT1204AFTNYG602	x 30	F45-SEKT12-D500Z10S150i	x 1
\$ 550	Kit F45-SEKT-D600Z12	Ø6" 45° Facemill, SEKT1204 (Z=12)	SEKT1204AFTNYG602	x 30	F45-SEKT12-D600Z12S200i	x 1

## 1. SEKT / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	fz(min)	fz (max)	* APPLICATION
12000055	SEKT1204AFTN-YG602	.043	.236	.0040	.0090	General, Multi Material

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	fz(min)	fz (max)	* APPLICATION
12000237	SEKT1204-AL-YG2002	.043	.236	.0020	.0220	Aluminum
12000467	SEGT1204-AL-YG50	.043	.236	.0020	.0220	Aluminum, Ground-Polished
12000416	SEKT1204AFTN-YG622	.043	.236	.0030	.0090	General, Steel, Cast Iron
12000257	SEKT1204-ST-YG602	.043	.236	.0030	.0090	Stainless Steel, Steel, HRSA

## 2. SEKT / Milling Cutter

\* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	LU	DCFSMS	* KAPR	* RMPX
17000060	F45-SEKT12-D150Z4S050i	SEKT12	Shell Mill	4	1.500	2.11	1.58	.500	----	1.26	45°	NR
17000061	F45-SEKT12-D200Z5S075i	SEKT12	Shell Mill	5	2.000	2.50	1.58	.750	----	1.77	45°	NR
17000062	F45-SEKT12-D250Z4S075i	SEKT12	Shell Mill	4	2.500	3.00	1.58	.750	----	2.00	45°	NR
17000063	F45-SEKT12-D250Z6S075i	SEKT12	Shell Mill	6	2.500	3.00	1.58	.750	----	2.01	45°	NR
17000064	F45-SEKT12-D300Z4S100i	SEKT12	Shell Mill	4	3.000	3.68	1.75	1.000	----	2.25	45°	NR
17000065	F45-SEKT12-D300Z7S100i	SEKT12	Shell Mill	7	3.000	3.68	1.75	1.000	----	2.25	45°	NR
17000066	F45-SEKT12-D400Z8S125i	SEKT12	Shell Mill	8	4.000	4.47	2.00	1.250	----	3.00	45°	NR
17000067	F45-SEKT12-D500Z10S150i	SEKT12	Shell Mill	10	5.000	5.46	2.38	1.500	----	3.65	45°	NR
17000068	F45-SEKT12-D600Z12S200i	SEKT12	Shell Mill	12	6.000	6.84	2.38	2.000	----	4.70	45°	NR

# ODMT - Face Milling

## Cutting Angle : 43° / 8 Corner Positive

YG-1 ODMT Series Facemill is built for performance. Your best value in face milling, and chamfering, the ODMT Series features eight cutting edges for a depth of cut (D.O.C) up to .138". A performer in steel and cast iron, YG-1 ODMT beats the competition at every turn - for less.

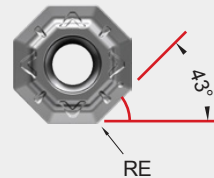
43-degree cutting angle

8-corner configuration for maximum chip removal economy



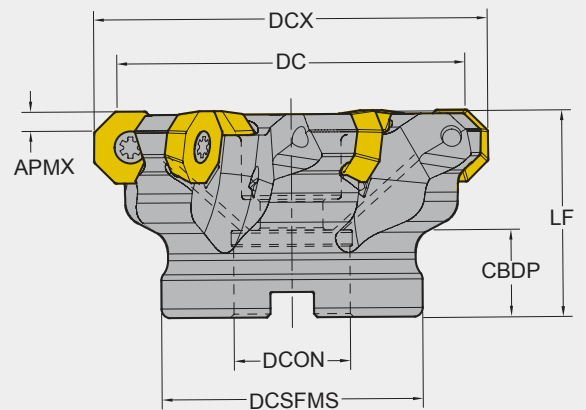
### 1. ODMT / Milling Insert

ODMT  
General



### 2. ODMT / Milling Cutter

- Shell Mill



PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 200	<b>Kit F43-ODMT-D250Z5</b>	Ø2.5" 43° Facemill, ODMT06 (Z=5)	ODMT060508 YG602	x 10	F43-ODMT06-D250Z5S075i	x 1
\$ 280	<b>Kit F43-ODMT-D300Z6</b>	Ø3" 43° Facemill, ODMT06 (Z=6)	ODMT060508 YG602	x 20	F43-ODMT06-D300Z6S100i	x 1
\$ 320	<b>Kit F43-ODMT-D400Z7</b>	Ø4" 43° Facemill, ODMT06 (Z=7)	ODMT060508 YG602	x 20	F43-ODMT06-D400Z7S125i	x 1
\$ 440	<b>Kit F43-ODMT-D500Z8</b>	Ø5" 43° Facemill, ODMT06 (Z=8)	ODMT060508 YG602	x 20	F43-ODMT06-D500Z8S150i	x 1

1. ODMT / **Milling insert** (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	fz(min)	fz (max)	* APPLICATION
12000030	ODMT060508-YG602	.031	.138	.0050	.0120	General, Multi Material

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	fz(min)	fz (max)	* APPLICATION
12000659	ODMT060508-YG713	.031	.138	.0050	.0120	General Steel Only
12000675	ODMT060508-YG613	.031	.138	.0060	.0120	General Steel, Hi-Toughness

2. ODMT / **Milling Cutter**

\* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	*CICT	DC	DCX	LF	DCON	LU	DCFMS	* KAPR	* RMPX
17000040	F43-ODMT06-D250Z5S075i	ODMT06	Shell Mill	5	2.500	2.88	1.58	.750	----	2.01	43°	NR
17000041	F43-ODMT06-D300Z6S100i	ODMT06	Shell Mill	6	3.000	3.55	1.75	1.000	----	2.25	43°	NR
17000042	F43-ODMT06-D400Z7S125i	ODMT06	Shell Mill	7	4.000	4.34	2.00	1.250	----	3.00	43°	NR
17000043	F43-ODMT06-D500Z8S150i	ODMT06	Shell Mill	8	5.000	5.32	2.38	1.500	----	3.65	43°	NR

# SDMT - High Feed Milling

## Cutting Angle : 10° / 4 Corner Positive

When It comes to high performance cutting ability, the SDMT series blows the competition away. From super stainless to mold steels, the SDMT line-up provides exceptional milling performance. YG-1's SDMT inserts are backed up by a new stronger, longer lasting stainless steel cutter body giving you the reliability for those longer run times between insert changes.

Coated carbide for superior wear resistance

High-feed and high-speed geometries for outstanding performance

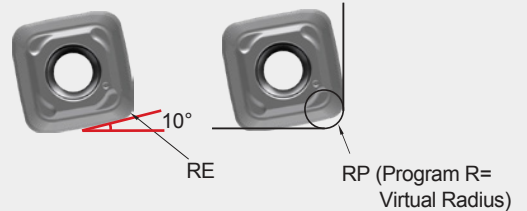
Cost-effective, multipurpose solution



### 1. SDMT / Milling Insert

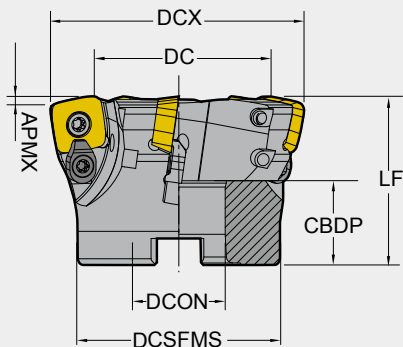
-ST

Stainless Steel  
HRSA



### 2. SDMT / Milling Cutter

- Shell Mill





PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 200	Kit HF-SDMW-D200Z5	Ø2 " HF Facemill, SDMx12 (Z=5)	SDMT120420-STYG602-T2	x 10	FHF-SD1204-D200Z5S075i	x 1
\$ 200	Kit HF-SDMW-D250Z5	Ø2.5" HF Facemill, SDMx12 (Z=5)	SDMT120420-STYG602-T2	x 10	FHF-SD1204-D250Z5S100i	x 1
\$ 280	Kit HF-SDMW-D300Z5	Ø3 " HF Facemill, SDMx12 (Z=5)	SDMT120420-STYG602-T2	x 20	FHF-SD1204-D300Z5S100i	x 1
\$ 320	Kit HF-SDMW-D300Z7	Ø3 " HF Facemill, SDMx12 (Z=7)	SDMT120420-STYG602-T2	x 20	FHF-SD1204-D300Z7S100i	x 1
\$ 410	Kit HF-SDMW-D400Z7	Ø4 " HF Facemill, SDMx12(Z=7)	SDMT120420-STYG602-T2	x 30	FHF-SD1204-D400Z7S150i	x 1
\$ 450	Kit HF-SDMW-D400Z9	Ø4 " HF Facemill, SDMx12(Z=9)	SDMT120420-STYG602-T2	x 30	FHF-SD1204-D400Z9S150i	x 1

## 1. SDMT / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	RE	RP (Program R)	APMX	fz(min)	fz (max)	* APPLICATION
12000369	SDMT120420-STYG602-T2	.079	.1575	.07(max)	.0230	.0590	Stainless Steel, Steel, HRSA

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	RP (Program R)	APMX	fz(min)	fz (max)	* APPLICATION
12000274	SDMT120420-ST-YG602 / SDMT433ST	.079	.1575	.07(max)	.023	.059	Stainless Steel, Steel, HRSA
12000666	SDMT120420-ST-YG613 / SDMT435-ST	.079	.1575	.07(max)	.015	.045	Stainless Steel, Steel, HRSA
12000273	SDMW120420-YG602 / SDMW435	.079	.1575	.07(max)	.024	.055	General, Multi Material
12000341	SDMW120420-YG622 / SDMW435	.079	.1575	.07(max)	.023	.059	General, Steel, Cast Iron
12000634	SDMW120420-YG713 / SDMW435	.079	.1575	.07(max)	.023	.059	General Steel Only

## 2. SDMT / Milling Cutter

\* Refer to page 21

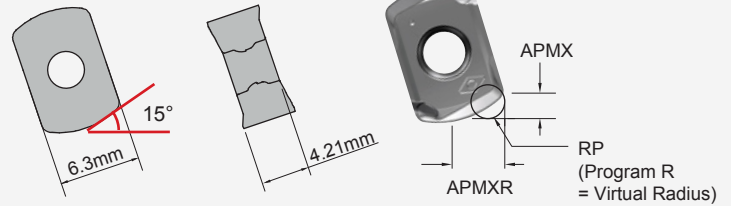
EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	LU	DCFSMS	* KAPR	* RMPX
17000388	FHF-SD1204-D200Z5S075i	SDMT12	Shell Mill	5	2.000	2.00	2.00	.750	----	1.75	10 °	4.2 °
17000389	FHF-SD1204-D250Z5S100i	SDMT12	Shell Mill	5	2.500	2.50	2.00	1.000	----	2.13	10 °	3.2 °
17000436	FHF-SD1204-D300Z5S100i	SDMT12	Shell Mill	5	3.000	3.00	2.00	1.000	----	2.13	10 °	2.2 °
17000437	FHF-SD1204-D300Z7S100i	SDMT12	Shell Mill	7	3.000	3.00	2.00	1.000	----	2.13	10 °	2.2 °
17000438	FHF-SD1204-D400Z7S150i	SDMT12	Shell Mill	7	4.000	4.00	2.55	1.500	----	3.81	10 °	1.5 °
17000439	FHF-SD1204-D400Z9S150i	SDMT12	Shell Mill	9	4.000	4.00	2.55	1.500	----	3.81	10 °	1.5 °

# ENMX06 - High Feed Milling

**Cutting Angle: 15°**  
**4 Corner Negative**

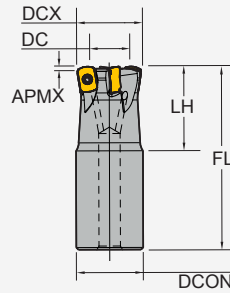
Boost productivity with the highest feed rate on the market  
Thickest high feed insert offers 4 true cutting edges with unmatched process stability  
Unique insert design for low cutting forces  
Grade and geometry portfolio to address all materials

## 1. ENMX06 / Milling Insert

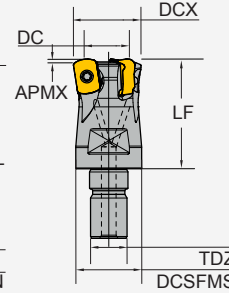


## 2. ENMX06 / Milling Cutter

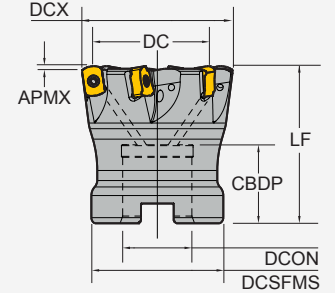
- Cylindrical



- Modular Mill



- Shell Mill



PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 225	<b>Kit E-ENMX06-D625Z2</b>	Ø.625" HF Endmill (Z=2)	ENMX0604-YG602	x 10	EHF-ENMX06-D0625Z2W0625-L500I	x 1
\$ 270	<b>Kit E-ENMX06-D750Z3</b>	Ø.75" HF Endmill (Z=3)	ENMX0604-YG602	x 10	EHF-ENMX06-D075Z3W075-L500I	x 1
\$ 320	<b>Kit E-ENMX06-D1000Z4</b>	Ø1" HF Endmill (Z=4)	ENMX0604-YG602	x 10	EHF-ENMX06-D100Z4W100-L550I	x 1
\$ 370	<b>Kit E-ENMX06-D1250Z5</b>	Ø1.25" HF Endmill (Z=5)	ENMX0604-YG602	x 10	EHF-ENMX06-D125Z5W125-L600I	x 1
\$ 380	<b>Kit F-ENMX06-D1500Z6</b>	Ø1.5" HF Facemill (Z=6)	ENMX0604-YG602	x 20	FHF-ENMX06-D150Z6S050I	x 1
\$ 470	<b>Kit F-ENMX06-D2000Z6</b>	Ø2" HF Facemill (Z=6)	ENMX0604-YG602	x 20	FHF-ENMX06-D200Z6S075I	x 1
\$ 440	<b>Kit F-ENMX06-D3000Z10</b>	Ø3" HF Facemill (Z=10)	ENMX0604-YG602	x 30	FHF-ENMX06-D300Z10S100I	x 1
\$ 205	<b>Kit M-ENMX06-D625Z2-M08</b>	Ø.625" HF Modular-Mill (Z=2)	ENMX0604-YG602	x 10	MHF-ENMX06-D0625Z2M08I	x 1
\$ 205	<b>Kit M-ENMX06-D705Z2-M08</b>	Ø.705" HF Modular-Mill (Z=2)	ENMX0604-YG602	x 10	MHF-ENMX06-D0705Z2M08I	x 1
\$ 225	<b>Kit M-ENMX06-D750Z3-M10</b>	Ø.75" HF Modular-Mill (Z=3)	ENMX0604-YG602	x 10	MHF-ENMX06-D075Z3M10I	x 1
\$ 300	<b>Kit M-ENMX06-D830Z3-M10</b>	Ø.83" HF Modular-Mill (Z=3)	ENMX0604-YG602	x 10	MHF-ENMX06-D083Z3M10I	x 1
\$ 300	<b>Kit M-ENMX06-D1000Z4-M12</b>	Ø1" HF Modular-Mill (Z=4)	ENMX0604-YG602	x 10	MHF-ENMX06-D100Z4M12I	x 1
\$ 375	<b>Kit M-ENMX06-D1125Z4-M12</b>	Ø1.125" HF Modular-Mill (Z=4)	ENMX0604-YG602	x 10	MHF-ENMX06-D1125Z4M12I	x 1
\$ 400	<b>Kit M-ENMX06-D1250Z5-M16</b>	Ø1.25" HF Modular-Mill (Z=5)	ENMX0604-YG602	x 10	MHF-ENMX06-D125Z5M16I	x 1
\$ 400	<b>Kit M-ENMX06-D1375Z5-M16</b>	Ø1.375" HF Modular-Mill (Z=5)	ENMX0604-YG602	x 10	MHF-ENMX06-D1375Z5M16I	x 1
\$ 415	<b>Kit M-ENMX06-D1500Z6-M16</b>	Ø1.5" HF Modular-Mill (Z=6)	ENMX0604-YG602	x 20	MHF-ENMX06-D150Z6M16I	x 1

1. ENMX06 / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	RE	RP (Program R)	APMX	fz(min)	fz(max)	* APPLICATION
12000474	ENMX0604-YG602	-	.079	.035	.012	.079	General, Multi Material

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	RP (Program R)	APMX	fz(min)	fz(max)	* APPLICATION
12000606	ENMX0604-YG613	-	.079	.035	.0100	.0550	General Steel, Stainless / Hi-Toughness
12000553	ENMX0604-YG622	-	.079	.035	.0100	.0550	General, Steel, Cast Iron
12000623	ENMX0604-ST-YG602	-	.079	.035	.0100	.0550	Stainless Steel, Steel, HRSA
12000625	ENMX0604-ST-YG613	-	.079	.035	.0100	.0550	Stainless Steel, Steel, HRSA
12000636	ENMX0604-TR-YG713	-	.079	.035	.0100	.0550	Hardened Steel Only
12000552	ENMX0604-TR-YG622	-	.079	.035	.0100	.0550	Hardened Steel, Cast Iron
12000459	ENMX0604-TR-YG602	-	.079	.035	.0100	.0550	Hardened Steel / Protected Edge
12000504	ENMX0604-TR-YG712	-	.079	.035	.0100	.0550	Hardened Steel / Protected Edge

2. ENMX06 / Milling Cutter

▼ Cylindrical / Shell Mill

\* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	LU	DCFSMS	* KAPR	* RMPX
17000759	EHF-ENMX06-D0625Z2W0625-L500i	ENMX0604	Cylindrical	2	.310	.625	5.000	.625	1.25	----	15 °	3.4 °
17000669	EHF-ENMX06-D075Z3W075-L500i	ENMX0604	Cylindrical	3	.460	.750	5.000	.750	2.00	----	15 °	2.0 °
17000670	EHF-ENMX06-D100Z4W100-L550i	ENMX0604	Cylindrical	4	.710	1.000	5.500	1.000	2.50	----	15 °	1.3 °
17000671	EHF-ENMX06-D125Z5W125-L600i	ENMX0604	Cylindrical	5	.960	1.250	6.000	1.250	3.00	----	15 °	0.9 °
17000672	FHF-ENMX06-D150Z6S050i	ENMX0604	Shell Mill	6	1.210	1.500	1.575	.500	----	1.340	15 °	0.7 °
17000673	FHF-ENMX06-D200Z6S075i	ENMX0604	Shell Mill	6	1.710	2.000	1.969	.750	----	1.570	15 °	0.5 °
17000760	FHF-ENMX06-D300Z10S100i	ENMX0604	Shell Mill	10	2.710	3.000	2.480	1.000	----	2.835	15 °	0.3 °

▼ Modular Endmill

\* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	* KAPR	* RMPX
17000761	MHF-ENMX06-D0625Z2M08I	ENMX0604	Modular	2	.310	.625	1.000	M08	15 °	3.4 °
17000762	MHF-ENMX06-D0705Z2M08I	ENMX0604	Modular	2	.410	.705	1.000	M08	15 °	3.4 °
17000763	MHF-ENMX06-D075Z3M10I	ENMX0604	Modular	3	.460	.750	1.250	M10	15 °	2.3 °
17000764	MHF-ENMX06-D083Z3M10I	ENMX0604	Modular	3	.540	.830	1.250	M10	15 °	2.0 °
17000765	MHF-ENMX06-D100Z4M12I	ENMX0604	Modular	4	.710	1.000	1.500	M12	15 °	1.7 °
17000766	MHF-ENMX06-D1125Z4M12I	ENMX0604	Modular	4	.830	1.125	1.500	M12	15 °	1.3 °
17000767	MHF-ENMX06-D125Z5M16I	ENMX0604	Modular	5	.960	1.250	1.750	M16	15 °	1.1 °
17000768	MHF-ENMX06-D1375Z5M16I	ENMX0604	Modular	5	1.080	1.375	1.750	M16	15 °	0.9 °
17000769	MHF-ENMX06-D150Z6M16I	ENMX0604	Modular	6	1.210	1.500	1.750	M16	15 °	0.8 °

# ENMX09 - High Feed Milling

**Cutting Angle : 15°**  
**4 Corner Negative**

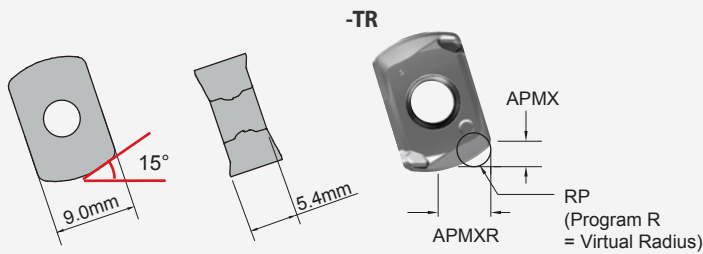
Boost productivity with the highest feed rate on the market

Thickest high feed insert offers 4 true cutting edges with unmatched process stability

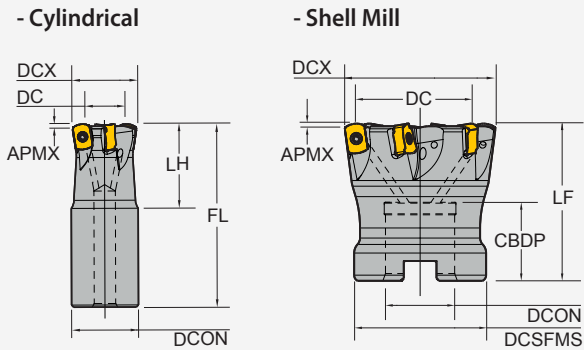
Unique insert design for low cutting forces

Grade and geometry portfolio to address all materials

## 1. ENMX09 / Milling Insert



## 2. ENMX09 / Milling Cutter





PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 250	<b>Kit E-ENMX09-D100Z2</b>	Ø1" HF Endmill, ENMX09 (Z=2)	ENMX0905-TR-YG602	x 10	EHF-ENMX09-D100Z2W100-L550I	x 1
\$ 300	<b>Kit E-ENMX09-D125Z3</b>	Ø1.25" HF Endmill, ENMX09 (Z=3)	ENMX0905-TR-YG602	x 10	EHF-ENMX09-D125Z3W125-L600I	x 1
\$ 320	<b>Kit E-ENMX09-D150Z4</b>	Ø1.5" HF Endmill, ENMX09 (Z=4)	ENMX0905-TR-YG602	x 10	EHF-ENMX09-D150Z4W125-L600I	x 1
\$ 475	<b>Kit F-ENMX09-D200Z5</b>	Ø2" HF Facemill, ENMX09 (Z=5)	ENMX0905-TR-YG602	x 20	FHF-ENMX09-D200Z5S075I	x 1
\$ 500	<b>Kit F-ENMX09-D250Z6</b>	Ø2.5" HF Facemill, ENMX09 (Z=6)	ENMX0905-TR-YG602	x 20	FHF-ENMX09-D250Z6S075I	x 1
\$ 600	<b>Kit F-ENMX09-D300Z8</b>	Ø3" HF Facemill, ENMX09 (Z=8)	ENMX0905-TR-YG602	x 20	FHF-ENMX09-D300Z8S100I	x 1
\$ 750	<b>Kit F-ENMX09-D400Z10</b>	Ø4" HF Facemill, ENMX09 (Z=10)	ENMX0905-TR-YG602	x 30	FHF-ENMX09-D400Z10S125I	x 1
\$ 925	<b>Kit F-ENMX09-D600Z14</b>	Ø6" HF Facemill, ENMX09 (Z=14)	ENMX0905-TR-YG602	x 30	FHF-ENMX09-D600Z14S200I	x 1

## 1. ENMX09 / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	RE	RP (Program R)	APMX	fz(min)	fz (max)	* APPLICATION
12000600	ENMX0905-TR-YG602	-	R.098	.059	.012	.079	General, Multi Material

## 2. ENMX09 / Milling Cutter

\* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	LH	DCFSMS	* KAPR	* RMPX
17000777	EHF-ENMX09-D100Z2W100-L550I	ENMX0905	Cylindrical	2	.61	1.0	5.5	1.0	2.50	---	15°	3.8°
17000778	EHF-ENMX09-D125Z3W125-L600I	ENMX0905	Cylindrical	3	.86	1.25	6.0	1.25	3.0	---	15°	2.4°
17000779	EHF-ENMX09-D150Z4W125-L600I	ENMX0905	Cylindrical	4	1.11	1.50	6.0	1.25	1.5	---	15°	1.7°
17000780	FHF-ENMX09-D200Z5S075I	ENMX0905	Shell Mill	5	1.6	2.0	1.969	.75	---	1.75	15°	1.1°
17000781	FHF-ENMX09-D250Z6S075I	ENMX0905	Shell Mill	6	2.1	2.5	1.969	.75	---	2.2	15°	0.8°
17000782	FHF-ENMX09-D300Z8S100I	ENMX0905	Shell Mill	8	2.6	3.0	2.48	1.0	---	2.2	15°	0.7°
17000783	FHF-ENMX09-D400Z10S125I	ENMX0905	Shell Mill	10	3.6	4.0	2.48	1.25	---	3	15°	0.4°
17000784	FHF-ENMX09-D600Z14S200I	ENMX0905	Shell Mill	14	5.6	6.0	2.48	2.0	---	4.7	15°	0.3°

# RDKT - Profiling

## Round Positive / 4 Corners

The RDKT Series gives machinists what they've been looking for – high-velocity cutting performance and the best value in the business. In configurations of endmill, modular and facemill, and sizes in 08, 10, and 12 – YG-1 Button KITS are packed to perform.

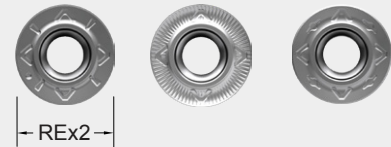
A nimble performer in tight conditions

Multiple insert geometries for steel, stainless steel, hard steel and iron



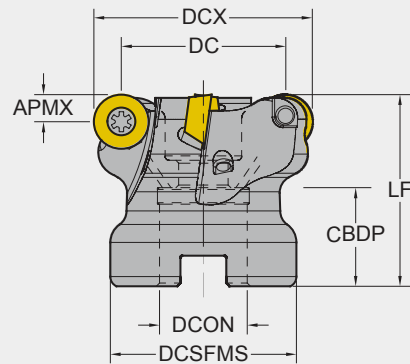
### 1. RDKT / Milling Insert

<b>RDKT</b> General	<b>-ST</b> Stainless Steel HRSA	<b>-TR</b> Hardened Steel
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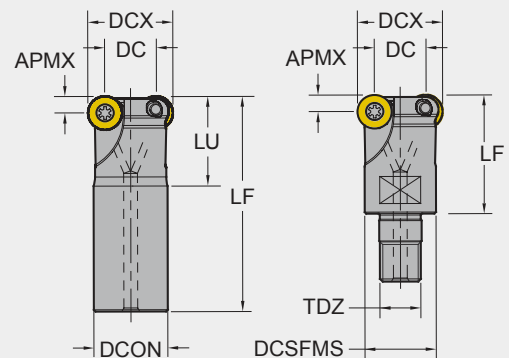
### 2. RDKT / Milling Cutter

#### - Shell Mill



#### - Cylindrical

#### - Modular



PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 130	Kit R08E-D075Z2	Ø.75" Endmill, RDKT08 (Z=2)	RDKT08 02M0 YG602	x 10	E-RDKT08-D075Z2C075-L700i	x 1
\$ 160	Kit R08E-D100Z3	Ø1" Endmill, RDKT08 (Z=3)	RDKT08 02M0 YG602	x 10	E-RDKT08-D100Z3C075-L700i	x 1
\$ 160	Kit R10E-D100Z2	Ø1" Endmill, RDKT10 (Z=2)	RDKT10 T3M0 YG602	x 10	E-RDKT10-D100Z2C100-L700i	x 1
\$ 170	Kit R10F-D150Z5	Ø1.5" Facemill, RDKT10 (Z=5)	RDKT10 T3M0 YG602	x 10	F-RDKT10-D150Z5S050i	x 1
\$ 200	Kit R10F-D200Z6	Ø2" Facemill, RDKT10 (Z=6)	RDKT10 T3M0 YG602	x 20	F-RDKT10-D200Z6S075i	x 1
\$ 190	Kit R12E-D100Z2	Ø1" Endmill, RDKT12 (Z=2)	RDKT12 04M0 YG602	x 10	E-RDKT12-D100Z2C100-L700i	x 1
\$ 190	Kit R12E-D125Z2	Ø1" Endmill, RDKT12 (Z=2)	RDKT12 04M0 YG602	x 10	E-RDKT12-D125Z2C125-L800i	x 1
\$ 190	Kit R12E-D125Z3	Ø1.25" Endmill, RDKT12 (Z=3)	RDKT12 04M0 YG602	x 10	E-RDKT12-D125Z3C125-L600i	x 1
\$ 160	Kit R12F-D150Z4	Ø1.5" Facemill, RDKT12 (Z=4)	RDKT12 04M0 YG602	x 10	F-RDKT12-D150Z4S050i	x 1
\$ 190	Kit R12F-D200Z5	Ø2" Facemill, RDKT12 (Z=5)	RDKT12 04M0 YG602	x 20	F-RDKT12-D200Z5S075i	x 1
\$ 240	Kit R12F-D250Z6	Ø2.5" Facemill, RDKT12 (Z=6)	RDKT12 04M0 YG602	x 20	F-RDKT12-D250Z6S075i	x 1

## 1. RDKT / Milling Insert (10pcs/Pack)

\* Refer to page 24

EDP No.	DESCRIPTION	SERIES	RE	APMX	fz(min)	fz(max)	* APPLICATION
12000035	RDKT0802M0-YG602	RDKT08	.157	.157	.0025	.0060	General, Multi Material
12000041	RDKT10T3M0-YG602	RDKT10	.196	.196	.0030	.0080	General, Multi Material
12000034	RDKT1204M0-YG602	RDKT12	.236	.236	.0040	.0095	General, Multi Material

▼ Alternative inserts are sold separately

\* Refer to page 24

EDP No.	DESCRIPTION	RE	APMX	Fz	* APPLICATION
12000284	RDKT0802M0-TR YG602 .157 .157 .0040-.0080	.157	.157	.0040-.0080	Hardened Steel /Protected Edge
12000292	RDKT0802M0-ST YG602 .157 .157 .0025-.0070	.157	.157	.0025-.0070	Stainless Steel, Steel, HRSA
12000339	RDKT0802M0-TR YG622 .157 .157 .0040-.0080	.157	.157	.0040-.0080	Hardened Steel, Cast Iron
12000285	RDKT10T3M0-TR YG602 .196 .196 .0045-.0090	.196	.196	.0045-.0090	Hardened Steel /Protected Edge
12000293	RDKT10T3M0-ST YG602 .196 .196 .0030-.0090	.196	.196	.0030-.0090	Stainless Steel, Steel, HRSA
12000338	RDKT10T3M0-TR YG622 .196 .196 .0030-.0090	.196	.196	.0030-.0090	Hardened Steel, Cast Iron
12000620	RDKT10T3M0-ST YG613 .196 .196 .0045-.0100	.196	.196	.0045-.0100	Stainless Steel, Steel, HRSA
12000651	RDKT10 T3M0 YG713 .196 .196 .0030-.0080	.196	.196	.0030-.0080	General Steel Only
12000294	RDKT1204M0-ST YG602 .236 .236 .0040-.0095	.236	.236	.0040-.0095	Stainless Steel, Steel, HRSA
12000340	RDKT1204M0-TR YG622 .236 .236 .0040-.0095	.236	.236	.0040-.0095	Hardened Steel, Cast Iron
12000272	RDKT1204M0-TR YG602 .236 .236 .0050-.0120	.236	.236	.0050-.0120	Hardened Steel /Protected Edge
12000621	RDKT1204M0-ST YG613 .236 .236 .0050-.0120	.236	.236	.0050-.0120	Stainless Steel, Steel, HRSA
12000635	RDKT1204M0 YG713 .236 .236 .0040-.0095	.236	.236	.0040-.0095	General Steel Only
12000650	RDKT1204M0-TR YG713 .236 .236 .0050-.0120	.236	.236	.0050-.0120	General Steel / Protected Edge

EDP No.	DESCRIPTION	RE	APMX	Fz	* APPLICATION
12000043	RDKW0802M0 YG602 .157 .157 .0035-.0060	.157	.157	.0035-.0060	General, Multi Material
12000440	RDKW0802M0 YG622 .157 .157 .0035-.0060	.157	.157	.0035-.0060	General, Steel, Cast Iron
12000040	RDKW10T3M0 YG602 .196 .196 .0035-.0085	.196	.196	.0035-.0085	General, Multi Material
12000441	RDKW10T3M0 YG622 .196 .196 .0035-.0085	.196	.196	.0035-.0085	General, Steel, Cast Iron
12000042	RDKW1204M0 YG602 .236 .236 .0040-.0100	.236	.236	.0040-.0100	General, Multi Material
12000442	RDKW1204M0 YG622 .236 .236 .0040-.0100	.236	.236	.0040-.0100	General, Steel, Cast Iron
12000647	RDKW1204M0 YG713 .236 .236 .0040-.0100	.236	.236	.0040-.0100	General Steel Only
12000245	RDMT0802M0 YG602 .157 .157 .0025-.0060	.157	.157	.0025-.0060	General, Multi Material
12000246	RDMT10T3M0 YG602 .196 .196 .0030-.0080	.196	.196	.0030-.0080	General, Multi Material
12000226	RDMT1204M0 YG602 .236 .236 .0040-.0095	.236	.236	.0040-.0095	General, Multi Material
12000227	RDMW0802M0 YG602 .157 .157 .0035-.0060	.157	.157	.0035-.0060	General, Multi Material
12000228	RDMW10T3M0 YG602 .196 .196 .0035-.0085	.196	.196	.0035-.0085	General, Multi Material
12000229	RDMW1204M0 YG602 .236 .236 .0040-.0100	.236	.236	.0040-.0100	General, Multi Material

## 2. RDKT / Milling Cutter

\* Refer to page 21

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	* CICT	DC	DCX	LF	DCON	LU	DCFSMS	* KAPR	* RMPX
17000044	E-RDKT08-D075Z2C075-L700i	RDKT08	Cylindrical	2	.435	.75	7.00	.750	3.00	NA	.157°	1-1.5°
17000045	E-RDKT08-D100Z3C075-L700i	RDKT08	Cylindrical	3	.685	1.00	7.00	.750	----	NA	.157°	1-1.5°
17000048	E-RDKT10-D100Z2C100-L700i	RDKT10	Cylindrical	2	.606	1.00	7.00	1.000	3.00	NA	.196°	1-1.5°
17000050	F-RDKT10-D150Z5S050i	RDKT10	Shell Mill	5	1.106	1.50	1.58	.500	----	1.25	.196°	1-1.5°
17000051	F-RDKT10-D200Z6S075i	RDKT10	Shell Mill	6	1.606	2.00	1.75	.750	----	1.58	.196°	1-1.5°
17000052	E-RDKT12-D100Z2C100-L700i	RDKT12	Cylindrical	2	.527	1.00	7.00	1.000	3.00	NA	.236°	1-1.5°
17000053	E-RDKT12-D125Z2C125-L800i	RDKT12	Cylindrical	2	.777	1.25	8.00	1.250	4.00	NA	.236°	1-1.5°
17000054	E-RDKT12-D125Z3C125-L600i	RDKT12	Cylindrical	3	.777	1.25	6.00	1.250	2.50	NA	.236°	1-1.5°
17000057	F-RDKT12-D150Z4S050i	RDKT12	Shell Mill	4	1.027	1.50	1.58	.500	----	1.25	.236°	1-1.5°
17000058	F-RDKT12-D200Z5S075i	RDKT12	Shell Mill	5	1.527	2.00	1.75	.750	----	1.58	.236°	1-1.5°
17000059	F-RDKT12-D250Z6S075i	RDKT12	Shell Mill	6	2.027	2.50	1.75	.750	----	1.75	.236°	1-1.5°

IF IT'S NOT PERFECT, IT'S NOT YG-1



YG-1 TECHNOLOGY CENTER GMBH



YG-1 R&D CENTER

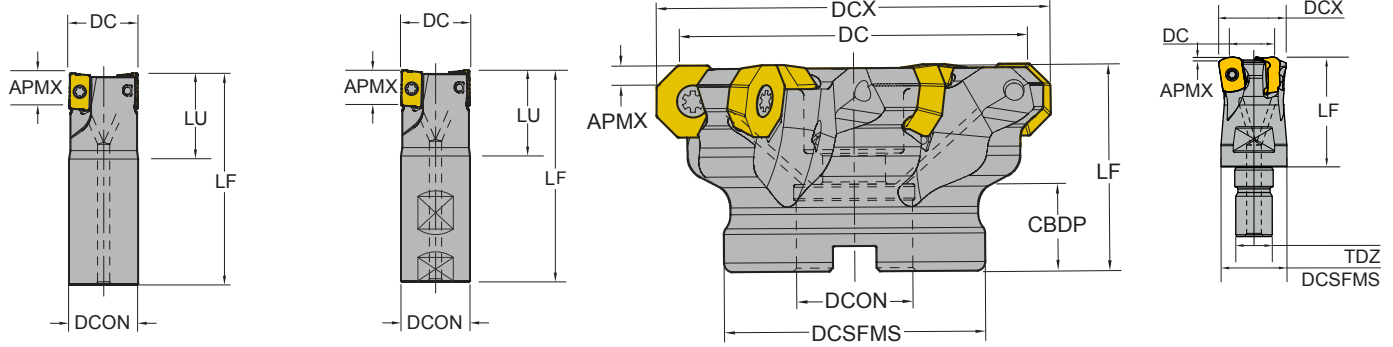


**I** mpeccable Products  
**O** utstanding Performance  
**U** nparalleled Reliability

**YG-1 aim to become a global No.1** Company by creating the superior products and services to achieve the mission of 'Satisfaction to Customers and Happiness to all'. And we are committed to complying with laws and ethics in order to achieve our mission and vision.







<C> Cylindrical      <W> Weldon      <S> Shell Mill      <M> Modular

Cutting Angle (90°)      Cutter Diameter (Ø1.00")      Connection Type and Size (Cylindrical Ø1.00")      Inch

C - Cylindrical      W - Weldon  
S - Shell Mill      M - Modular

**E**      **90**      -      **APKT10**      -      **D100**      **Z2**      **C100**      -      **L480**      **i**

KAPR      DC or DCX\*      CICT      DCON or TDZ      LF\*

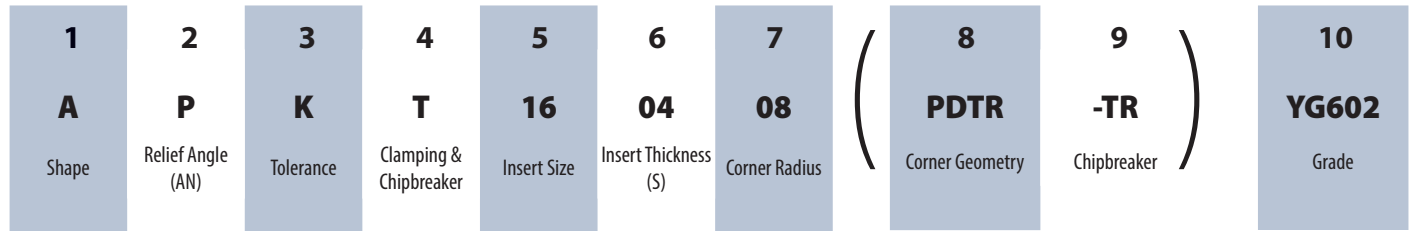
\* DCX for Round insert      \* Shank Type Only

Cutter Type: E - Endmill Type, F - Facemill Type, M - Modular Type  
Insert Series: (APKT 10)  
Number of Teeth (Z=2)  
Functional Length (4.80 inch)






## Terms

Attribute	Definition	Attribute	Definition
APMX	Depth of cut maximum	DCX	Maximum cutting diameter
APMXR	Maximum depth of cut - radial plunge	KAPR	Tool cutting edge angle
CICT	Number of inserts	LF	Functional length
DC	Cutting diameter	LU	Usable length (max. recommended)
DCON	Connection diameter	TDZ	Thread diameter size
DCSFMS	Contact surface diameter machine side	RMPX	Maximum ramp angle
Programming R			

# Milling Insert Code System

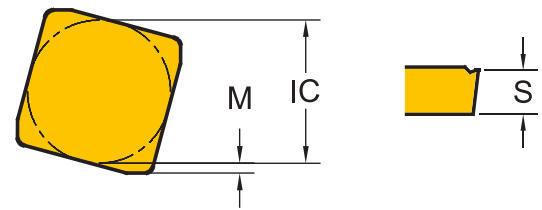


## 1 - Shape



Symbol	Shape	
<b>O</b>	Octagonal	
<b>S</b>	Square	
<b>A</b>	Parallelogram 80°	
<b>R</b>	Round	
<b>E</b>	Parallelogram	

## 3 - Tolerance Class



Symbol	Inner Circle IC (inch)	Nose Height M (inch)	Thickness S (inch)
<b>K</b>	±.002~.006	±.0005	±.005
<b>M</b>	±.002~.006	±.003~.010	±.005
<b>G</b>	±.001	±.0010	±.005



## 2 - Relief Angle (AN)

Symbol	Relief Angle (AN)	
<b>N</b>	No Relief Angle	
<b>P</b>	Relief 11°	
<b>D</b>	Relief 15°	
<b>E</b>	Relief 20°	

## 4 - Clamping & Chipbreaker

Symbol	Clamping	Chipbreaker	Figure
<b>W</b>	Screw Hole	X	
<b>T</b>		One Face	
<b>X</b>	Special		

## 5 - Insert Size

\* No Standard for milling insert size

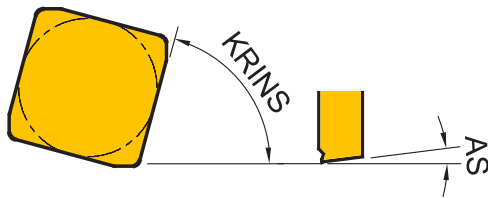
## 6 - Insert Thickness

\* No Standard for milling insert thickness

## 7 - Corner Radius (RE) Symbol = 0.1mm(08 = 0.8mm = .031")

Symbol	Corner Radius - RE (inch)	Symbol	Corner Radius - RE (inch)
<b>04</b>	.016	<b>16</b>	.063
<b>05</b>	.020	<b>20</b>	.079
<b>08</b>	.031	<b>24</b>	.094
<b>12</b>	.047		

## 8 - Corner Geometry





8-1	8-2	8-3	8-4
<b>P</b>	<b>D</b>	<b>T</b>	<b>R</b>
Cutting Edge Angle (KRINS)	Wiper Edge Clearance (AS)	Edge Condition	Feed Direction

### 8-1 - Cutting Edge Angle (KRINS)

Symbol	Cutting Edge Angle (KRINS)
<b>P</b>	90°
<b>A</b>	45°



### 8-3 - Edge Condition

Symbol	Cutting Edge Condition
<b>F</b>	Sharp 
<b>T</b>	Chamfered 






### 8-2 - Wiper Edge Clearance (AS)

Symbol	Wiper Edge Clearance (AS)
<b>N</b>	0°
<b>D</b>	15°
<b>E</b>	20°

### 8-4 - Feed Direction

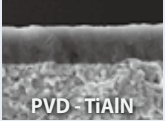
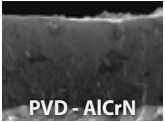
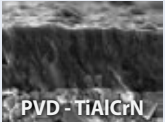
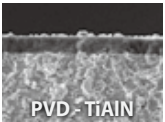
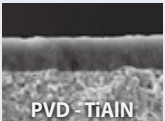
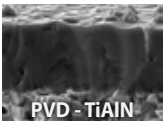
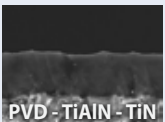
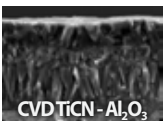

Symbol	Cutting Feed Direction
<b>R</b>	Right-hand Insert 
<b>N</b>	Neutral Insert 

# Milling Chipbreakers

<b>-AL</b>		<ul style="list-style-type: none"> <li>• For Aluminum</li> <li>• Very Sharp Geometry</li> </ul>
<b>-ST</b>		<ul style="list-style-type: none"> <li>• For Stainless Steel, Super Alloy</li> <li>• Sharp Geometry</li> </ul>
<b>General Inserts</b> (No Description)		<ul style="list-style-type: none"> <li>• First Choice for General Application</li> </ul>
<b>-TR</b>		<ul style="list-style-type: none"> <li>• For Hardened Steels</li> <li>• Reinforced Geometry</li> </ul>
<b>...W / ...N</b>		<ul style="list-style-type: none"> <li>• For Hardened Material and Cast Irons</li> </ul>

## Milling Grade

Milling Grades	P Steel					M Stainless steel				K Cast iron				N Non-ferrous				S Superalloys				H Hardened steel			
	P05	P15	P25	P35	P45	M05	M15	M25	M35	K05	K15	K25	K35	N05	N15	N25	N35	S05	S15	S25	S35	H15	H25	H35	
PVD	YG602		602					602			602								602						
	YG622		622								622												622		
	YG712		712																						
	YG713		713																						
	YG613			613					613												613				
	YG501										501														
CVD	YG5020									5020															
Uncoated	YG50													50											

<p><b>YG602</b></p> <p>P20 - P35 M20 - M40 K20 - K40 S15 - S25</p>	 <p>PVD - TiAlN</p>	<p><b>Universal grade for General Milling Application</b></p> <ul style="list-style-type: none"> <li>• Ultra Dense PVD Coating with optimal thermal resistance &amp; strength</li> <li>• Sub-Micron substrate designed for demanding application</li> </ul>
<p><b>YG622</b></p> <p>P20 - P40 K20 - K40 H10 - H20</p>	 <p>PVD - AlCrN</p>	<p><b>Optimized Grade for High Alloyed or Prehardened Steel</b></p> <ul style="list-style-type: none"> <li>• Excellent hot hardness and oxidation resistance at high speed</li> <li>• Smooth surface treatment technology provide to prevent thermal shock and chipping resistance</li> </ul>
<p><b>YG712</b></p> <p>P10 - P30</p>	 <p>PVD - TiAlCrN</p>	<p><b>Milling Grade for Medium of Steel Application</b></p> <ul style="list-style-type: none"> <li>• Superior wear resistance and excellent toughness in high speed machining</li> <li>• Coating layer with high hardness and oxidation resistance</li> </ul>
<p><b>YG713</b></p> <p>P15 - P25</p>	 <p>PVD - TiAlN</p>	<p><b>Milling Grade for General Steel Application</b></p> <ul style="list-style-type: none"> <li>• Multi-layer TiAlN structure realizes stronger crater and flank wear resistance</li> <li>• Fine-grained carbide and balanced substrate</li> </ul>
<p><b>YG613</b></p> <p>P30 - P50 M30 - M40 S25 - S35</p>	 <p>PVD - TiAlN</p>	<p><b>Milling Grade for Stainless Steel Application</b></p> <ul style="list-style-type: none"> <li>• New coating layer with high toughness and lubrication on ultra fine grain substrate with high toughness.</li> <li>• The toughest substrates provides excellent cutting performance in stainless steel</li> <li>• Prevents welding and chipping of heat-resistant alloy workpieces through a special coating layer</li> </ul>
<p><b>YG501</b></p> <p>K05 - K25</p>	 <p>PVD - TiAlN</p>	<p><b>Hard Milling grade for Cast Iron</b></p> <ul style="list-style-type: none"> <li>• High wear resistance substrate based on TiAlN PVD Coating</li> <li>• Very good for cast Iron</li> </ul>
<p><b>YG501G</b></p> <p>K05 - K25</p>	 <p>PVD - TiAlN - TiN</p>	<p><b>Hard Milling grade for Cast Iron</b></p> <ul style="list-style-type: none"> <li>• High wear resistance substrate based on TiAlN / TiN PVD Coating</li> <li>• Excellent performance for cast Iron at high cutting speed</li> </ul>
<p><b>YG5020</b></p> <p>K01 - K30</p>	 <p>CVD TiCN - Al<sub>2</sub>O<sub>3</sub></p>	<p><b>CVD Milling grade for Cast Iron</b></p> <ul style="list-style-type: none"> <li>• CVD coating for Excellent wear resistance</li> <li>• Improved Toughness for chipping resistance</li> </ul>
<p><b>YG50</b></p> <p>N05 - N20</p>	 <p>Uncoated</p>	<p><b>Uncoated Milling Grade for Aluminium</b></p> <ul style="list-style-type: none"> <li>• Submicron carbide substrate for high wear resistance</li> <li>• Preventing built up edge with shining surface</li> </ul>



# YG-1 ROTARY TOOLING

HYDRAULIC  
CHUCK (Power E)



SHELL MILL  
ARBOR



END MILL  
HOLDER



SK SLIM  
CHUCK



ER COLLET  
CHUCK



SHRINK FIT  
HOLDER



POWER MILLING  
CHUCK



TAPPING ER  
CHUCK



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