YG-1 INDEXABLE MILLING

YG-1 products are proudly stocked in our Canadian warehouse

YG-1 CANADA INC.

INDEXABLE INSERT MILLING SOLUTIONS

PROMO KIT 2023

Available in Canada through YG-1 participating distributors
Valid until **June 30, 2023**

FM10 MILL

PNMU

Ability to rough and finish with one cutter

E.M. PRECISE TOOL LTD.

CUTTING TOOLS • PRECISION TOOLS • COOLANTS

216A Arvin Avenue, Stoney Creek, ON L8E 2L8

(905) 664-2644 TF: 1 (800) 267-7569

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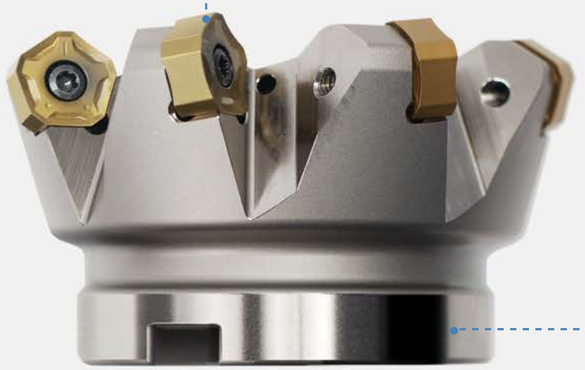
MILLING KIT PROMO

MILLING DESIGNATION SYSTEM

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**

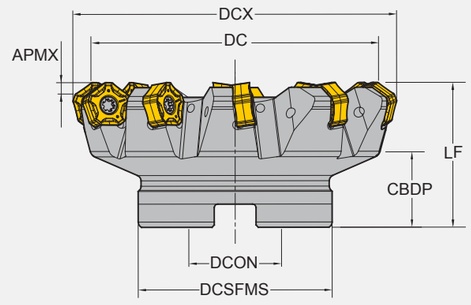
- 36° entry angle
  Increased feed rate by 30% over typical 45° facemill
  Outstanding stability due to direction of force into to spindle.

- 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	
$ **626**	**Kit F-PNMU12-D200Z4**	Ø2 F36 Facemill, PNMU12 (Z=4)	PNMU1206ZNN-YG602	x 20	F36-PNMU12-D200Z4S075I	x 1
$ **691**	**Kit F-PNMU12-D250Z5**	Ø2.5 F36 Facemill, PNMU12 (Z=5)	PNMU1206ZNN-YG602	x 20	F36-PNMU12-D250Z5S075I	x 1
$ **839**	**Kit F-PNMU12-D300Z8**	Ø3 F36 Facemill, PNMU12 (Z=8)	PNMU1206ZNN-YG602	x 20	F36-PNMU12-D300Z8S100I	x 1
$ **1,128**	**Kit F-PNMU12-D400Z10**	Ø4 F36 Facemill, PNMU12 (Z=10)	PNMU1206ZNN-YG602	x 30	F36-PNMU12-D400Z10S125I	x 1
$ **1,503**	**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

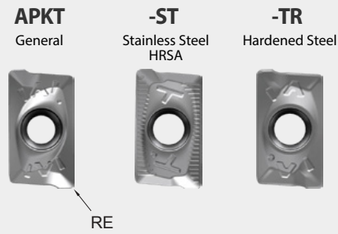
Cutting Angle : 90˚
2 Corner Positive

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

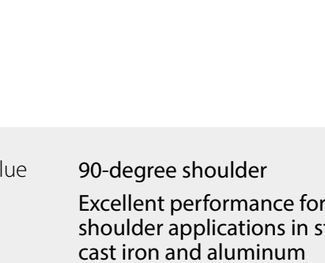
Excellent performance for your square shoulder applications in steel, stainless, cast iron and aluminum

1. APKT / **Milling Insert**

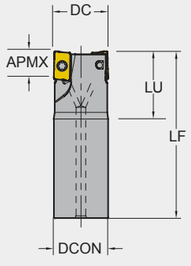


2. APKT / **Milling Cutter**

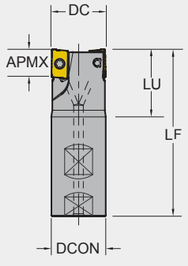
- Shell Mill



- Cylindrical



- Weldon



APKT / **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 156	Kit EM0.625x.625-10	Ø.625 Shoulder EM (.625" shank), APKT10	APKT100305PDTR YG602	x 10	E90-APKT10-D0625Z2W0625-L350i	x 1
$ 158	Kit EM0.750x.750-10	Ø.75" Shoulder EM (.75"shank), APKT10	APKT100305PDTR YG602	x 10	E90-APKT10-D075Z3W075-L320i	x 1
$ 175	Kit EM1.00x1.00-10	Ø1" Shoulder EM (1"shank), APKT10	APKT100305PDTR YG602	x 10	E90-APKT10-D100Z4W100-L350i	x 1
$ 175	Kit EM1.00x.75-10	Ø1" Shoulder EM (.75"shank), APKT10	APKT100305PDTR YG602	x 10	E90-APKT10-D100Z4C075-L350i	x 1
$ 182	Kit FM 1.50-4FL-10	Ø1.5" Shoulder Facemill, APKT10	APKT100305PDTR YG602	x 10	F90-APKT10-D150Z4S075i	x 1
$ 296	Kit FM 2.00-7FL-10	Ø2" Shoulder Facemill, APKT10	APKT100305PDTR YG602	x 10	F90-APKT10-D200Z7S075i	x 1
$ 181	Kit EM1.00x1.00-16	Ø1" Shoulder EM (1"shank), APKT16	APKT160408PDTR YG602	x 10	E90-APKT16-D100Z2W100-L400i	x 1
$ 247	Kit EM1.00x1.00-16 (L)	Ø1" Shoulder EM (1"shank 10"Long), APKT16	APKT160408PDTR YG602	x 10	E90-APKT16-D100Z2W100-L10000i	x 1
$ 191	Kit EM1.25x1.00-16	Ø1.25" Shoulder EM (1"shank), APKT16	APKT160408PDTR YG602	x 10	E90-APKT16-D125Z3W100-L400i	x 1
$ 270	Kit EM1.25x1.00-16 (L)	Ø1.25" Shoulder EM(1.25"shank 10"Long), APKT16	APKT160408PDTR YG602	x 10	E90-APKT16-D125Z3W100-L10000i	x 1
$ 278	Kit FM 2.00-5FL-16	Ø2" Shoulder Facemill, APKT16	APKT160408PDTR YG602	x 20	F90-APKT16-D200Z5S075i	x 1
$ 298	Kit FM 2.50-6FL-16	Ø2.5" Shoulder Facemill, APKT16	APKT160408PDTR YG602	x 20	F90-APKT16-D250Z6S075i	x 1
$ 411	Kit FM 3.00-7FL-16	Ø3" Shoulder Facemill, APKT16	APKT160408PDTR YG602	x 20	F90-APKT16-D300Z7S100i	x 1
$ 478	KitFM4.00-8FL-16	Ø4" Shoulder Facemill, APKT16	APKT160408PDTR YG602	x 20	F90-APKT16-D400Z8S150i	x 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	APKT10 0308PDTR YG602	.031	.315	.0030 - .0055	General, Multi Material
12000278	APKT10 0305-ST YG602	.020	.315	.0020 - .0060	Stainless Steel, Steel, HRSA
12000235	APKT10 0305-AL YG2002	.020	.315	.0030 - .0200	Aluminum
12000429	APKT10 0305PDTR YG622	.020	.315	.0020 - .0055	General, Steel, Cast Iron
12000430	APKT10 0308PDTR YG622	.031	.315	.0030 - .0060	General, Steel, Cast Iron
12000610	APKT10 0308PDTR YG613	.031	.315	.0030 - .0060	Steel, Stainless, Hi-Toughness
12000618	APKT10 0305-ST YG613	.020	.315	.0020 - .0055	Stainless Steel, Steel, HRSA
12000632	APKT10 0308PDTR YG713	.031	.315	.0030 - .0060	General Steel Only
12000638	APKT10 0305PDTR YG713	.020	.315	.0020 - .0055	General Steel Only
12000672	APKT10 0305PDTR YG613	.020	.315	.0020 - .0055	Steel, Stainless, Hi-Toughness
12000003	APKT16 0404PDTR YG602	.016	.630	.0035 - .0079	General, Multi Material
12000002	APKT16 0412PDTR YG602	.047	.630	.0035 - .0079	General, Multi Material
12000006	APKT16 0416PDTR YG602	.062	.630	.0035 - .0079	General, Multi Material
12000255	APKT16 0424 PDTR YG602	.094	.630	.0035 - .0079	General, Multi Material
12000270	APKT16 0408-ST YG602	.031	.630	.0030 - .0080	Stainless Steel, Steel, HRSA
12000492	APKT16 0404-TR YG602	.016	.630	.0050 - .0100	Hardened Steel / Protected Edge
12000256	APKT16 0408-TR YG602	.031	.630	.0055 - .0100	Hardened Steel / Protected Edge

EDP No.	DESCRIPTION	RE	APMX	Fz	* APPLICATION
12000493	APKT16 0412-TR YG602	.047	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000472	APKT16 0416-TR YG602	.062	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000494	APKT16 0424-TR YG602	.094	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000236	APKT16 0408-AL YG2002	.031	.630	.0030 - .0200	Aluminum
12000337	APKT16 0408-TR YG622	.031	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000505	APKT16 0404-TR YG622	.016	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000520	APKT16 0424-TR YG622	.094	.630	.0055 - .0100	Hardened Steel, Cast Iron
12000523	APKT16 0412-TR YG622	.047	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000607	APKT16 0408PDTR YG613	.031	.630	.0030 - .0080	Steel, Stainless, Hi-Toughness
12000617	APKT16 0408-ST YG613	.031	.630	.0030 - .0080	Stainless Steel, Steel, HRSA
12000633	APKT16 0408PDTR YG713	.031	.630	.0030 - .0080	General Steel Only
12000649	APKT16 0412PDTR YG713	.047	.630	.0030 - .0080	General Steel Only
12000653	APKT16 0424 PDTR YG713	.094	.630	.0030 - .0080	General Steel Only
12000656	APKT16 0404PDTR YG713	.016	.630	.0030 - .0080	General Steel Only
12000661	APKT16 0416PDTR YG713	.062	.630	.0030 - .0080	General Steel Only
12000524	APKT16 0416-TR YG622	.062	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000428	APGT16 0408-AL YGSO	.032	.630	.0030 - .0200	Aluminum / Ground-Polished

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	AP..10	Weldon	2	.625	.63	3.25	.625	1.00	.63	90 ˚	7.0 ˚
17000146	E90-APKT10-D075Z3W075-L320i	AP..10	Weldon	3	.750	.75	3.20	.750	1.22	.75	90 ˚	3.5 ˚
17000149	E90-APKT10-D100Z4C075-L350i	AP..10	Cylindrical	4	1.000	1.00	3.50	.750	----	.75	90 ˚	1.8 ˚
17000148	E90-APKT10-D100Z4W100-L350i	AP..10	Weldon	4	1.000	1.00	3.50	1.000	1.22	1.00	90 ˚	1.8 ˚
17000150	F90-APKT10-D150Z4S075i	AP..10	Shell Mill	4	1.500	1.50	1.75	.750	----	1.38	90 ˚	1.0 ˚
17000151	F90-APKT10-D200Z7S075i	AP..10	Shell Mill	7	2.000	2.00	1.75	.750	----	1.58	90 ˚	0.7 ˚
17000158	E90-APKT16-D100Z2W100-L400i	AP..16	Weldon	2	1.000	1.00	4.00	1.000	** 1.22	1.00	90 ˚	5.4 ˚
17000208	E90-APKT16-D100Z2W100-L1000i	AP..16	Weldon	2	1.000	1.00	10.00	1.000	1.22	1.00	90 ˚	5.4 ˚
17000159	E90-APKT16-D125Z3W100-L400i	AP..16	Weldon	3	1.250	1.25	4.00	1.000	----	1.00	90 ˚	3.9 ˚
17000205	E90-APKT16-D125Z3W125-L1000i	AP..16	Weldon	3	1.250	1.25	10.00	1.250	** 1.22	1.25	90 ˚	3.9 ˚
17000160	F90-APKT16-D200Z5S075i	AP..16	Shell Mill	5	2.000	2.00	1.75	.750	----	1.58	90 ˚	NR
17000161	F90-APKT16-D250Z6S075i	AP..16	Shell Mill	6	2.500	2.50	2.00	.750	----	2.01	90 ˚	NR
17000162	F90-APKT16-D300Z7S100i	AP..16	Shell Mill	7	3.000	3.00	2.00	1.000	----	2.24	90 ˚	NR
17000207	F90-APKT16-D400Z8S150i	AP..16	Shell Mill	8	4.000	4.00	2.00	1.000	----	3.00	90 ˚	NR

SEKT - Face Milling

Cutting Angle : 45°
4 Corner Positive

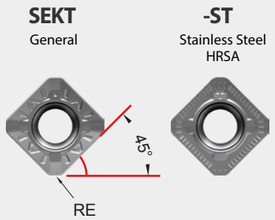
For tough carbide performance that makes the grade every time, YG-1's SEKT Series is on target to be your No. 1 choice in 45-degree milling performance. Lets you handle a wide range of milling operations from general purpose steels and stainless to cast iron and aluminum, with precision and ease.

Advanced geometry provides excellent 45-degree cutting performance

Designed for semi-finishing to heavy milling

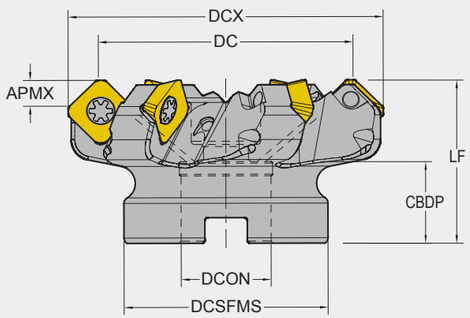
3 Insert geometries for optimizing performance in steel/iron, stainless steel and aluminum

1. SEKT / **Milling Insert**



2. SEKT / **Milling Cutter**

- Shell Mill



SEKT / **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit PRICE(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 189	Kit F45-SEKT-D150Z4	Ø1.5" 45° Facemill, SEKT1204 (Z=4)	SEKT1204AFTNYG602	x 10	F45-SEKT12-D150Z4S050i	x 1
$ 214	Kit F45-SEKT-D200Z5	Ø2" 45° Facemill, SEKT1204(Z=5)	SEKT1204AFTNYG602	x 10	F45-SEKT12-D200Z5S075i	x 1
$ 213	Kit F45-SEKT-D250Z4	Ø2" 45° Facemill, SEKT1204 Z=4)	SEKT1204AFTNYG602	x 10	F45-SEKT12-D250Z4S075i	x 1
$ 304	Kit F45-SEKT-D250Z6	Ø2" 45° Facemill, SEKT1204 (Z=6)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D250Z6S075i	x 1
$ 295	Kit F45-SEKT-D300Z4	Ø3" 45° Facemill, SEKT1204 (Z=4)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D300Z4S100i	x 1
$ 353	Kit F45-SEKT-D300Z7	Ø3" 45° Facemill, SEKT1204 (Z=7)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D300Z7S100i	x 1
$ 399	Kit F45-SEKT-D400Z8	Ø4" 45° Facemill, SEKT1204 (Z=8)	SEKT1204AFTNYG602	x 20	F45-SEKT12-D400Z8S125i	x 1
$ 556	Kit F45-SEKT-D500Z10	Ø5" 45° Facemill, SEKT1204 (Z=10)	SEKT1204AFTNYG602	x 30	F45-SEKT12-D500Z10S150i	x 1
$ 656	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	SE..12	Shell Mill	4	1.500	2.11	1.58	.500	----	1.26	45 °	NR
17000061	F45-SEKT12-D200Z5S075i	SE..12	Shell Mill	5	2.000	2.50	1.58	.750	----	1.77	45 °	NR
17000062	F45-SEKT12-D250Z4S075i	SE..12	Shell Mill	4	2.500	3.00	1.58	.750	----	2.00	45 °	NR
17000063	F45-SEKT12-D250Z6S075i	SE..12	Shell Mill	6	2.500	3.00	1.58	.750	----	2.01	45 °	NR
17000064	F45-SEKT12-D300Z4S100i	SE..12	Shell Mill	4	3.000	3.68	1.75	1.000	----	2.25	45 °	NR
17000065	F45-SEKT12-D300Z7S100i	SE..12	Shell Mill	7	3.000	3.68	1.75	1.000	----	2.25	45 °	NR
17000066	F45-SEKT12-D400Z8S125i	SE..12	Shell Mill	8	4.000	4.47	2.00	1.250	----	3.00	45 °	NR
17000067	F45-SEKT12-D500Z10S150i	SE..12	Shell Mill	10	5.000	5.46	2.38	1.500	----	3.65	45 °	NR
17000068	F45-SEKT12-D600Z12S200i	SE..12	Shell Mill	12	6.000	6.84	2.38	2.000	----	4.70	45 °	NR

ODMT - Face Milling

Cutting Angle : 43˚
8 Corner Positive

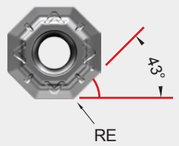
YG-1 ODMT Series Facemill is built for performance. Your best value in face milling, and chamfering, the ODMT Series features eight cutting edges for a depth of cut (D.O.C) up to .138". A performer in steel and cast iron, YG-1 ODMT beats the competition at every turn - *for less.*

43-degree cutting angle

8-corner configuration for maximum chip removal economy

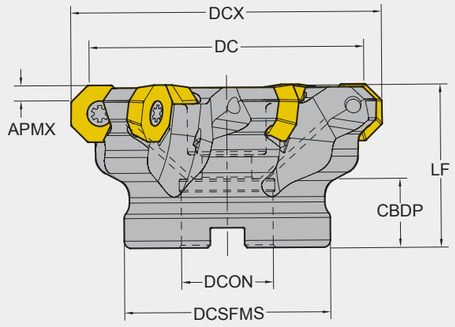
1. ODMT / **Milling Insert**

ODMT
General



2. ODMT / **Milling Cutter**

- Shell Mill



ODMT / **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 260	Kit F43-ODMT-D250Z5	Ø2.5" 43° Facemill, ODMT06 (Z=5)	ODMT060508 YG602	x 10	F43-ODMT06-D250Z5S075i	x 1
$ 350	Kit F43-ODMT-D300Z6	Ø3" 43° Facemill, ODMT06 (Z=6)	ODMT060508 YG602	x 20	F43-ODMT06-D300Z6S100i	x 1
$ 405	Kit F43-ODMT-D400Z7	Ø4" 43° Facemill, ODMT06 (Z=7)	ODMT060508 YG602	x 20	F43-ODMT06-D400Z7S125i	x 1
$ 559	Kit F43-ODMT-D500Z8	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	DCFSMS	*KAPR	* RMPX
17000040	F43-ODMT06-D250Z5S075i	OD..06	Shell Mill	5	2.500	2.88	1.58	.750	----	2.01	43 °	NR
17000041	F43-ODMT06-D300Z6S100i	OD..06	Shell Mill	6	3.000	3.55	1.75	1.000	----	2.25	43 °	NR
17000042	F43-ODMT06-D400Z7S125i	OD..06	Shell Mill	7	4.000	4.34	2.00	1.250	----	3.00	43 °	NR
17000043	F43-ODMT06-D500Z8S150i	OD..06	Shell Mill	8	5.000	5.32	2.38	1.500	----	3.65	43 °	NR

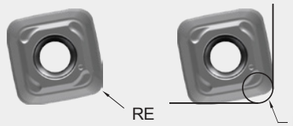
SDMT - High Feed Milling

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

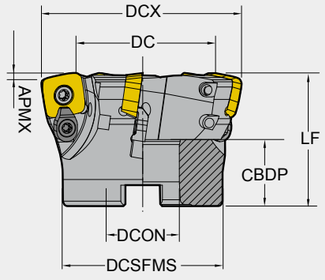
1. SDMT / **Milling Insert**

-ST
Stainless Steel
HRSA



2. SDMT / **Milling Cutter**

- Shell Mill



SDMT / **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 250	Kit HF-SDMW-D200Z5	Ø2 " HF Facemill, SDMx12 (Z=5)	SDMT120420-STYG602-T2	x 10	FHF-SD1204-D200Z5S075i	x 1
$ 257	Kit HF-SDMW-D250Z5	Ø2.5" HF Facemill, SDMx12 (Z=5)	SDMT120420-STYG602-T2	x 10	FHF-SD1204-D250Z5S100i	x 1
$ 360	Kit HF-SDMW-D300Z5	Ø3 " HF Facemill, SDMx12 (Z=5)	SDMT120420-STYG602-T2	x 20	FHF-SD1204-D300Z5S100i	x 1
$ 404	Kit HF-SDMW-D300Z7	Ø3 " HF Facemill, SDMx12 (Z=7)	SDMT120420-STYG602-T2	x 20	FHF-SD1204-D300Z7S100i	x 1
$ 528	Kit HF-SDMW-D400Z7	Ø4 " HF Facemill, SDMx12(Z=7)	SDMT120420-STYG602-T2	x 30	FHF-SD1204-D400Z7S150i	x 1
$ 572	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	SD..12	Shell Mill	5	2.000	2.00	2.00	.750	----	1.75	10 °	4.2 °
17000389	FHF-SD1204-D250Z5S100i	SD..12	Shell Mill	5	2.500	2.50	2.00	1.000	----	2.13	10 °	3.2 °
17000436	FHF-SD1204-D300Z5S100i	SD..12	Shell Mill	5	3.000	3.00	2.00	1.000	----	2.13	10 °	2.2 °
17000437	FHF-SD1204-D300Z7S100i	SD..12	Shell Mill	7	3.000	3.00	2.00	1.000	----	2.13	10 °	2.2 °
17000438	FHF-SD1204-D400Z7S150i	SD..12	Shell Mill	7	4.000	4.00	2.55	1.500	----	3.81	10 °	1.5 °
17000439	FHF-SD1204-D400Z9S150i	SD..12	Shell Mill	9	4.000	4.00	2.55	1.500	----	3.81	10 °	1.5 °

ENMX06 - High Feed Milling

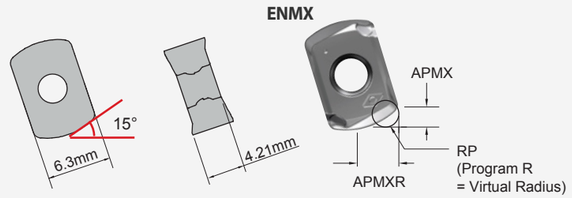
Boost productivity with the highest feed rate on the market

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

Unique insert design for low cutting forces

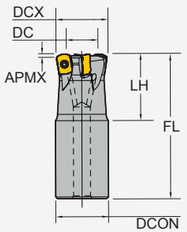
Grade and geometry portfolio to address all materials

1. ENMX06 / **Milling Insert**

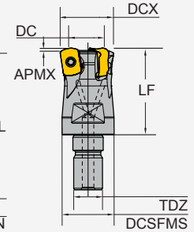


2. ENMX06 / **Milling Cutter**

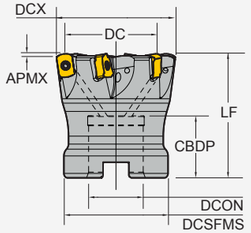
- Cylindrical



- Modular Mill



- Shell Mill



ENMX06 / **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 288	Kit E-ENMX06-D625Z2	Ø.625" HF Endmill (Z=2)	ENMX0604-YG602	x 10	EHF-ENMX06-D0625Z2W0625-L500I	x 1
$ 343	Kit E-ENMX06-D750Z3	Ø.75" HF Endmill (Z=3)	ENMX0604-YG602	x 10	EHF-ENMX06-D075Z3W075-L500I	x 1
$ 407	Kit E-ENMX06-D1000Z4	Ø1" HF Endmill (Z=4)	ENMX0604-YG602	x 10	EHF-ENMX06-D100Z4W100-L550I	x 1
$ 470	Kit E-ENMX06-D1250Z5	Ø1.25" HF Endmill (Z=5)	ENMX0604-YG602	x 10	EHF-ENMX06-D125Z5W125-L600I	x 1
$ 484	Kit F-ENMX06-D1500Z6	Ø1.5" HF Facemill (Z=6)	ENMX0604-YG602	x 20	FHF-ENMX06-D150Z6S050I	x 1
$ 591	Kit F-ENMX06-D2000Z6	Ø2" HF Facemill (Z=6)	ENMX0604-YG602	x 20	FHF-ENMX06-D200Z6S075I	x 1
$ 564	Kit F-ENMX06-D3000Z10	Ø3" HF Facemill (Z=10)	ENMX0604-YG602	x 30	FHF-ENMX06-D300Z10S100I	x 1
$ 261	Kit M-ENMX06-D625Z2-M08	Ø.625" HF Modular-Mill (Z=2)	ENMX0604-YG602	x 10	MHF-ENMX06-D0625Z2M08I	x 1
$ 261	Kit M-ENMX06-D705Z2-M08	Ø.705" HF Modular-Mill (Z=2)	ENMX0604-YG602	x 10	MHF-ENMX06-D0705Z2M08I	x 1
$ 283	Kit M-ENMX06-D750Z3-M10	Ø.75" HF Modular-Mill (Z=3)	ENMX0604-YG602	x 10	MHF-ENMX06-D075Z3M10I	x 1
$ 369	Kit M-ENMX06-D830Z3-M10	Ø.83" HF Modular-Mill (Z=3)	ENMX0604-YG602	x 10	MHF-ENMX06-D083Z3M10I	x 1
$ 392	Kit M-ENMX06-D1000Z4-M12	Ø1" HF Modular-Mill (Z=4)	ENMX0604-YG602	x 10	MHF-ENMX06-D100Z4M12I	x 1
$ 478	Kit M-ENMX06-D1125Z4-M12	Ø1.125" HF Modular-Mill (Z=4)	ENMX0604-YG602	x 10	MHF-ENMX06-D1125Z4M12I	x 1
$ 503	Kit M-ENMX06-D1250Z5-M16	Ø1.25" HF Modular-Mill (Z=5)	ENMX0604-YG602	x 10	MHF-ENMX06-D125Z5M16I	x 1
$ 502	Kit M-ENMX06-D1375Z5-M16	Ø1.375" HF Modular-Mill (Z=5)	ENMX0604-YG602	x 10	MHF-ENMX06-D1375Z5M16I	x 1
$ 529	Kit M-ENMX06-D1500Z6-M16	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

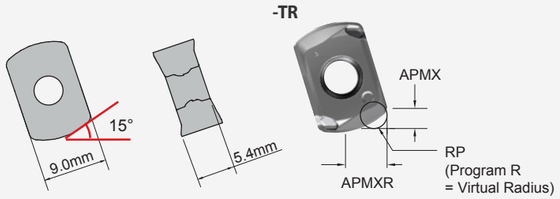
Boost productivity with the highest feed rate on the market

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

Unique insert design for low cutting forces

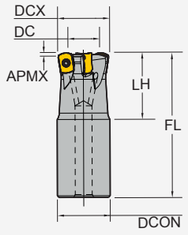
Grade and geometry portfolio to address all materials

1. ENMX09 / **Milling Insert**

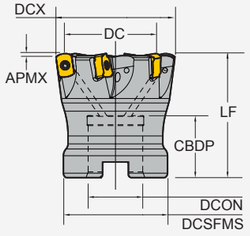


2. ENMX09 / **Milling Cutter**

- Cylindrical



- Shell Mill



ENMX09/ **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 317	Kit E-ENMX09-D100Z2	Ø1" HF Endmill, ENMX09 (Z=2)	ENMX0905-TR-YG602	x 10	EHF-ENMX09-D100Z2W100-L550I	x 1
$ 364	Kit E-ENMX09-D125Z3	Ø1.25" HF Endmill, ENMX09 (Z=3)	ENMX0905-TR-YG602	x 10	EHF-ENMX09-D125Z3W125-L600I	x 1
$ 402	Kit E-ENMX09-D150Z4	Ø1.5" HF Endmill, ENMX09 (Z=4)	ENMX0905-TR-YG602	x 10	EHF-ENMX09-D150Z4W125-L600I	x 1
$ 596	Kit F-ENMX09-D200Z5	Ø2" HF Facemill, ENMX09 (Z=5)	ENMX0905-TR-YG602	x 20	FHF-ENMX09-D200Z5S075I	x 1
$ 644	Kit F-ENMX09-D250Z6	Ø2.5" HF Facemill, ENMX09 (Z=6)	ENMX0905-TR-YG602	x 20	FHF-ENMX09-D250Z6S075I	x 1
$ 738	Kit F-ENMX09-D300Z8	Ø3" HF Facemill, ENMX09 (Z=8)	ENMX0905-TR-YG602	x 20	FHF-ENMX09-D300Z8S100I	x 1
$ 957	Kit F-ENMX09-D400Z10	Ø4" HF Facemill, ENMX09 (Z=10)	ENMX0905-TR-YG602	x 30	FHF-ENMX09-D400Z10S125I	x 1
$ 1,200	Kit F-ENMX09-D600Z14	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 Positve
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.

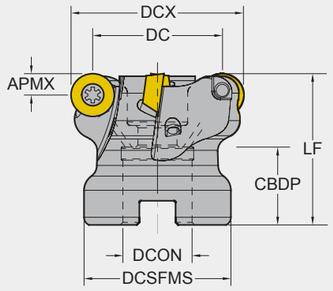
A nimble performer in tight conditions

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

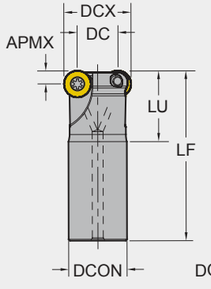
1. RDKT / **Milling Insert**

2. RDKT / **Milling Cutter**

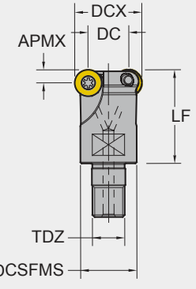
- Shell Mill



- Cylindrical



- Modular



RDKT / **Milling KIT (Inserts+Cutter)** Promo

PROMO Kit MSRP(CAD)	Kit EDP No.	Kit DESCRIPTION	1. Milling Insert		2. Milling Cutter	
$ 174	Kit R08E-D075Z2	Ø.75" Endmill, RDKT08 (Z=2)	RDKT08 02M0 YG602	x 10	E-RDKT08-D075Z2C075-L700i	x 1
$ 193	Kit R08E-D100Z3	Ø1" Endmill, RDKT08 (Z=3)	RDKT08 02M0 YG602	x 10	E-RDKT08-D100Z3C075-L700i	x 1
$ 183	Kit R10E-D100Z2	Ø1" Endmill, RDKT10 (Z=2)	RDKT10 T3M0 YG602	x 10	E-RDKT10-D100Z2C100-L700i	x 1
$ 217	Kit R10F-D150Z5	Ø1.5" Facemill, RDKT10 (Z=5)	RDKT10 T3M0 YG602	x 10	F-RDKT10-D150Z5S050i	x 1
$ 243	Kit R10F-D200Z6	Ø2" Facemill, RDKT10 (Z=6)	RDKT10 T3M0 YG602	x 20	F-RDKT10-D200Z6S075i	x 1
$ 238	Kit R12E-D100Z2	Ø1" Endmill, RDKT12 (Z=2)	RDKT12 04M0 YG602	x 10	E-RDKT12-D100Z2C100-L700i	x 1
$ 210	Kit R12E-D125Z2	Ø1" Endmill, RDKT12 (Z=2)	RDKT12 04M0 YG602	x 10	E-RDKT12-D125Z2C125-L800i	x 1
$ 205	Kit R12E-D125Z3	Ø1.25" Endmill, RDKT12 (Z=3)	RDKT12 04M0 YG602	x 10	E-RDKT12-D125Z3C125-L600i	x 1
$ 206	Kit R12F-D150Z4	Ø1.5" Facemill, RDKT12 (Z=4)	RDKT12 04M0 YG602	x 10	F-RDKT12-D150Z4S050i	x 1
$ 228	Kit R12F-D200Z5	Ø2" Facemill, RDKT12 (Z=5)	RDKT12 04M0 YG602	x 20	F-RDKT12-D200Z5S075i	x 1
$ 307	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	RDKT08 02M0 -YG602	RDKT08	.157	.157	.0025	.0060	General, Multi Material
12000041	RDKT10 T3M0 -YG602	RDKT10	.196	.196	.0030	.0080	General, Multi Material
12000034	RDKT12 04M0 -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	RDKT08 02M0-TR YG602	.157	.157	.0040-.0080	Hardened Steel /Protected Edge
12000292	RDKT08 02M0-ST YG602	.157	.157	.0025-.0070	Stainless Steel, Steel, HRSA
12000339	RDKT08 02M0-TR YG622	.157	.157	.0040-.0080	Hardened Steel, Cast Iron
12000285	RDKT10 T3M0-TR YG602	.196	.196	.0045-.0090	Hardened Steel /Protected Edge
12000293	RDKT10 T3M0-ST YG602	.196	.196	.0030-.0090	Stainless Steel, Steel, HRSA
12000338	RDKT10 T3M0-ST YG613	.196	.196	.0030-.0090	Stainless Steel, Steel, HRSA
12000620	RDKT10 T3M0-TR YG622	.196	.196	.0045-.0100	Hardened Steel, Cast Iron
12000651	RDKT10 T3M0 YG713	.196	.196	.0030-.0080	General Steel Only
12000294	RDKT12 04M0-ST YG602	.236	.236	.0040-.0095	Stainless Steel, Steel, HRSA
12000340	RDKT12 04M0-ST YG613	.236	.236	.0040-.0095	Stainless Steel, Steel, HRSA
12000272	RDKT12 04M0-TR YG602	.236	.236	.0050-.0120	Hardened Steel /Protected Edge
12000621	RDKT12 04M0-TR YG622	.236	.236	.0050-.0120	Hardened Steel, Cast Iron
12000635	RDKT12 04M0 YG713	.236	.236	.0040-.0095	General Steel Only
12000650	RDKT12 04M0-TR YG713	.236	.236	.0050-.0120	General Steel / Protected Edge

EDP No.	DESCRIPTION	RE	APMX	Fz	* APPLICATION
12000043	RDKW08 02M0 YG602	.157	.157	.0035-.0060	General, Multi Material
12000440	RDKW08 02M0 YG622	.157	.157	.0035-.0060	General, Steel, Cast Iron
12000040	RDKW10 T3M0 YG602	.196	.196	.0035-.0085	General, Multi Material
12000441	RDKW10 T3M0 YG622	.196	.196	.0035-.0085	General, Steel, Cast Iron
12000042	RDKW12 04M0 YG602	.236	.236	.0040-.0100	General, Multi Material
12000442	RDKW12 04M0 YG622	.236	.236	.0040-.0100	General, Steel, Cast Iron
12000647	RDKW12 04M0 YG713	.236	.236	.0040-.0100	General Steel Only
12000245	RDMT08 02M0 YG602	.157	.157	.0025-.0060	General, Multi Material
12000246	RDMT10 T3M0 YG602	.196	.196	.0030-.0080	General, Multi Material
12000226	RDMT12 04M0 YG602	.236	.236	.0040-.0095	General, Multi Material
12000227	RDMW0802M0 YG602	.157	.157	.0035-.0060	General, Multi Material
12000228	RDMW10T3M0 YG602	.196	.196	.0035-.0085	General, Multi Material
12000229	RDMW1204M0 YG602	.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	RD..08	Cylindrical	2	.435	.75	7.00	.750	3.00	NA	.157 °	1-1.5 °
17000045	E-RDKT08-D100Z3C075-L700i	RD..08	Cylindrical	3	.685	1.00	7.00	.750	----	NA	.157 °	1-1.5 °
17000048	E-RDKT10-D100Z2C100-L700i	RD..10	Cylindrical	2	.606	1.00	7.00	1.000	3.00	NA	.196 °	1-1.5 °
17000050	F-RDKT10-D150Z5S050i	RD..10	Shell Mill	5	1.106	1.50	1.58	.500	----	1.25	.196 °	1-1.5 °
17000051	F-RDKT10-D200Z6S075i	RD..10	Shell Mill	6	1.606	2.00	1.75	.750	----	1.58	.196 °	1-1.5 °
17000052	E-RDKT12-D100Z2C100-L700i	RD..12	Cylindrical	2	.527	1.00	7.00	1.000	3.00	NA	.236 °	1-1.5 °
17000053	E-RDKT12-D125Z2C125-L800i	RD..12	Cylindrical	2	.777	1.25	8.00	1.250	4.00	NA	.236 °	1-1.5 °
17000054	E-RDKT12-D125Z3C125-L600i	RD..12	Cylindrical	3	.777	1.25	6.00	1.250	2.50	NA	.236 °	1-1.5 °
17000057	F-RDKT12-D150Z4S050i	RD..12	Shell Mill	4	1.027	1.50	1.58	.500	----	1.25	.236 °	1-1.5 °
17000058	F-RDKT12-D200Z5S075i	RD..12	Shell Mill	5	1.527	2.00	1.75	.750	----	1.58	.236 °	1-1.5 °
17000059	F-RDKT12-D250Z6S075i	RD..12	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 **R&D CENTER**

YG-1 **TECHNOLOGY CENTER** GMBH

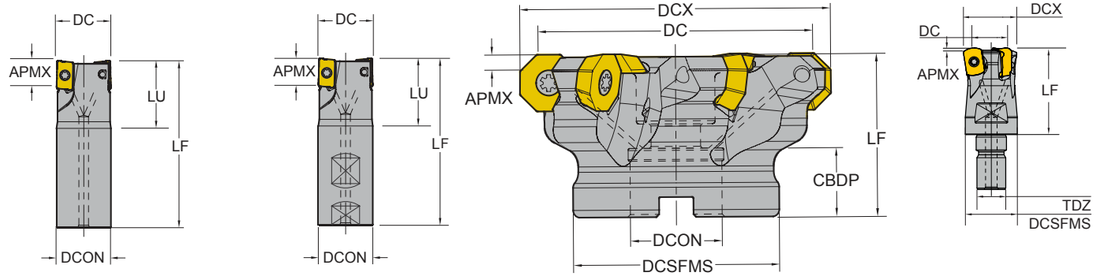
I mpeccable Products

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.

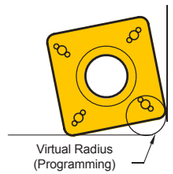
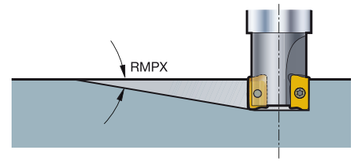
Milling Cutters Designation Systems



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

Cutting Angle (90˚)		Cutter Diameter (Φ1.00")	Connection Type and Size C - Cylindrical S - Shell Mill (Cylindrical Φ1.00") W - Weldon M - Modular		Inch
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		
Programming R		RMPX	Maxiumum ramp angle 

1	2	3	4	5	6	7	(8	9)	10
A	P	K	T	16	04	08	PDTR	-TR	YG602
Shape	Relief Angle (AN)	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness (S)	Corner Radius	Corner Geometry	Chipbreaker	Grade

1 - Shape

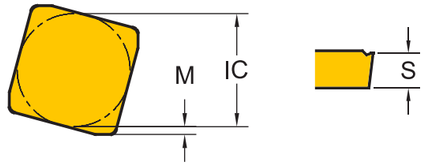
Symbol	Shape	
O	Octagonal	
S	Square	
A	Parallelogram 80˚	
R	Round	
E	Parallelogram	

2 - Relief Angle (AN)

Symbol	Relief Angle (AN)	
N	No Relief Angle	
P	Relief 11˚	 AN
D	Relief 15˚	
E	Relief 20˚	

3 - Tolerance Class

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



4 - Clamping & Chipbreaker

Symbol	Clamping	Chipbreaker	Figure
W	Screw Hole	X	
T		One Face	
X	Special		

5 - Insert Size

* No Standard for milling insert size

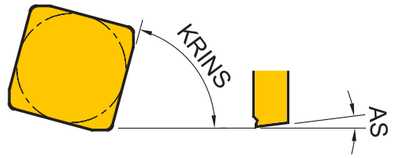
6 - Insert Thickness

* 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)
04	.016	16	.063
05	.020	20	.079
08	.031	24	.094
12	.047		

8 - Corner Geometry



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

8-1 - Cutting Edge Angle (KRINS)

Symbol	Cutting Edge Angle (KRINS)
P	90˚
A	45˚

8-2 - Wiper Edge Clearance (AS)

Symbol	Wiper Edge Clearance (AS)
N	0˚
D	15˚
E	20˚

8-3 - Edge Condition

Symbol	Cutting Edge Condition	
F	Sharp	
T	Chamfered	

8-4 - Feed Direction

Symbol	Cutting Feed Direction	
R	Right-hand Insert	
N	Neutral Insert	

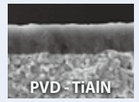
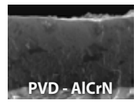
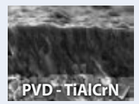
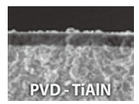
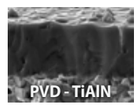
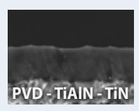
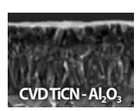
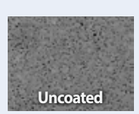
Milling Chipbreakers

–AL		• For Aluminum • Very Sharp Geometry
–ST		• For Stainless Steel, Super Alloy • Sharp Geometry
General Inserts (No Description)		• First Choice for General Application
–TR		• For Hardened Steels • Reinforced Geometry
...W / ...N		• For Hardened Material and Cast Irons

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											

Milling Insert Grades

YG602 P20 - P35 M20 - M40 K20 - K40 S15 - S25		**Universal grade for General Milling Application** • Ultra Dense PVD Coating with optimal thermal resistance & strength • Sub-Micron substrate designed for demanding application
YG622 P20 - P40 K20 - K40 H10 - H20		**Optimized Grade for High Alloyed or Prehardened Steel** • Excellent hot hardness and oxidation resistance at high speed • Smooth surface treatment technology provide to prevent thermal shock and chipping resistance
YG712 P10 - P30		**Milling Grade for Medium of Steel Application** • Superior wear resistance and excellent toughness in high speed machining • Coating layer with high hardness and oxidation resistance
YG713 P15 - P25		**Milling Grade for General Steel Application** • Multi-layer TiAlN structure realizes stronger crater and flank wear resistance • Fine-grained carbide and balanced substrate
YG613 P30 - P50 M30 - M40 S25 - S35		**Milling Grade for Stainless Steel Application** • New coating layer with high toughness and lubrication on ultra fine grain substrate with high toughness. • The toughest substrates provides excellent cutting performance in stainless steel • Prevents welding and chipping of heat-resistant alloy workpieces through a special coating layer
YG501 K05- K25		**Hard Milling grade for Cast Iron** • High wear resistance substrate based on TiAlN PVD Coating • Very good for cast Iron
YG501G K05- K25		**Hard Milling grade for Cast Iron** • High wear resistance sbustrate based on TiAlN / TiN PVD Coating • Excellent performance for cast Iron at high cutting speed
YG5020 K01-K30		**CVD Milling grade for Cast Iron** • CVD coating for Excellent wear resistance • Improved Toughness for chipping resistance
YG50 N05 – N20		**Uncoated Milling Grade for Aluminium** • Submicron carbide substrate for high wear resistance • Preventing built up edge with shining surface

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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