

YG-1 INDEXABLE MILLING

YG-1 products are proudly stocked in our Canadian warehouse.

INDEXABLE INSERT MILLING SOLUTIONS

+

ROTARY TOOLING

PROMO KIT 2022

Valid until June 30, 2022
only in Canada



METALWORKING
SOLUTIONS INC.

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YG-1 Canada Inc.





TABLE OF CONTENTS

Milling Kit (Cutter+Insert) + Rotary Tooling Promo	Page 05
---	---------

Milling Kit(Cutter+Insert) Promo

PNMU	Page 07
APKT	Page 09
SEKT	Page 11
ODMT/ODMW	Page 13
SDMT/SDMW	Page 15
ENMX 06	Page 17
ENMX 09	Page 19
RDKT	Page 21

Rotary Tooling Promo

ER COLLET CHUCK	
CAT40	Page 22
HSK63A	Page 22
HYDRAULIC CHUCK (Short & Rigid)	
CAT40	Page 23
HYDRAULIC CHUCK (Power E Hydro)	
CAT40	Page 23
HSK63A	Page 23
END MILL HOLDER	
CAT40	Page 24
HSK63A / DUAL CONTACT	Page 25
SHELL MILL ARBOR	
CAT40	Page 25
SHRINK FIT HOLDER	
CAT40	Page 26
HSK63A / DUAL CONTACT	Page 27

Milling Designation System

CUTTER DESIGNATION SYSTEM & TERMS	Page 29
INSERT CODE SYSTEM	Page 30
CHIPBREAKERS & GRADE	Page 32

*“YG-1 Indexable
Insert Milling
Solutions. Now
With 75 New
Items to Maximize
Your Milling
Performance”*



Milling Kit (Cutter+Insert) + Rotary Tooling Promo

Milling Kit (Cutter + Insert)

Huge savings when buying CUTTER and INSERT as a Milling Kit within this promotion.



Rotary Tooling



Additional Bonus Offer

Purchase 1 Milling Kit of any listed combination and receive **an additional 10% discount off** listed **Rotary Tools** within this promotion.

Purchase 3 Milling Kits of any listed combination and receive **an additional 15% discount off** listed **Rotary Tools** within this promotion.

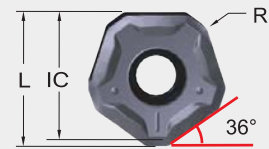
Purchase 5 Milling Kits and more of any listed combination and receive **an additional 20% discount off** listed **Rotary Tools** within this promotion.

Call (905) 335 - 2500 or visit yg1.ca . Limited time and availability offer. Cannot be combined with any other offers / discounts. Valid in Canada only through participating authorized YG-1 distributors. Please email your purchase orders to orders@yg1.ca

Cutting Angle : 36°
10 Corner Negative

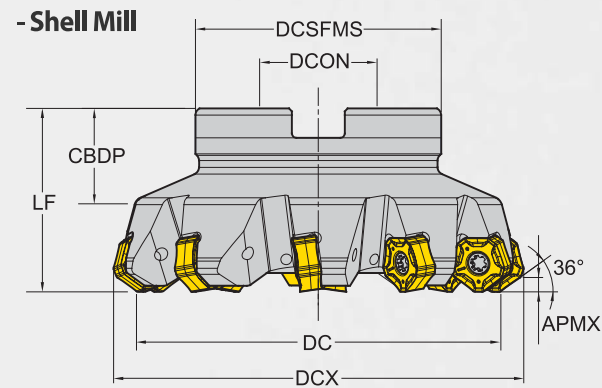
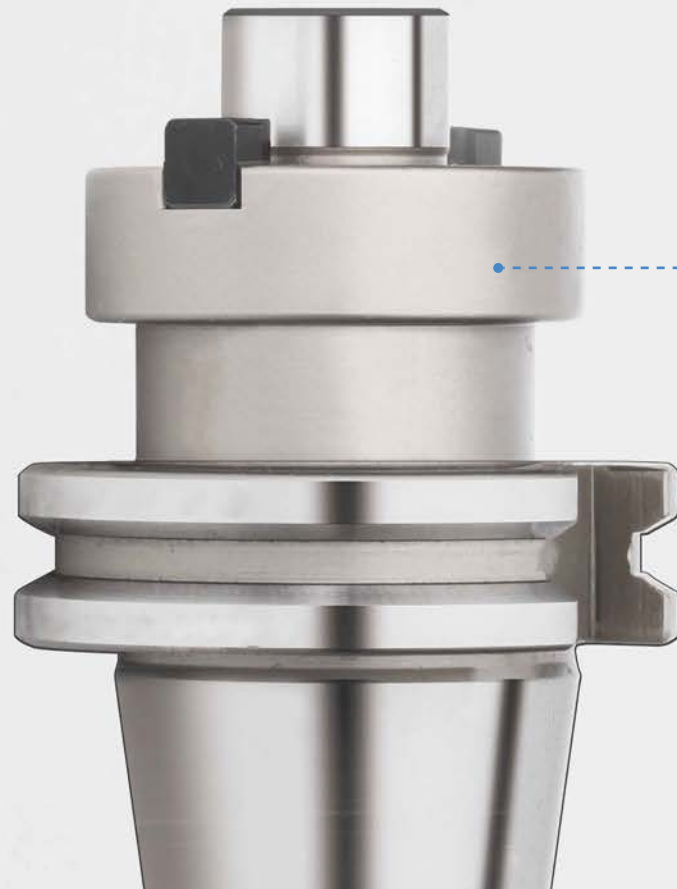
- ▶ 30% higher feed than the typical facemill
- ▶ Higher depth of cut than a high feed mill
- ▶ Ability to rough and finish with one cutter

1. PNMU12 / 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. PNMU12 / Milling Cutter



SHELL MILL ARBOR / Rotary Tooling

PROMO KIT MSRP(CAD)	KIT PART No.	DESCRIPTION	1. Milling Insert	2. Milling Cutter
\$ 578	Kit F-PNMU12-D200Z4	Ø2 F36 Facemill, PNMU12 (Z=4)	PNMU1206ZNN x 20	F36-PNMU12-D200Z4S075I x 1
\$ 599	Kit F-PNMU12-D250Z5	Ø2.5 F36 Facemill, PNMU12 (Z=5)	PNMU1206ZNN x 20	F36-PNMU12-D250Z5S075I x 1
\$ 630	Kit F-PNMU12-D300Z8	Ø3 F36 Facemill, PNMU12 (Z=8)	PNMU1206ZNN x 20	F36-PNMU12-D300Z8S100I x 1
\$ 830	Kit F-PNMU12-D400Z10	Ø4 F36 Facemill, PNMU12 (Z=10)	PNMU1206ZNN x 30	F36-PNMU12-D400Z10S125I x 1
\$ 945	Kit F-PNMU12-D600Z14	Ø6 F36 Facemill, PNMU12 (Z=14)	PNMU1206ZNN x 30	F36-PNMU12-D600Z14S200I x 1

* Savings from List price are up to 38%

1. PNMU1206 / Milling Insert (10pcs/Pack)

* Refer to page32

EDP No.	DESCRIPTION	GEOMETRY	APPLICATION*	APMX	fz(min)	fz (max)
12000535	PNMU1206ZNN-YG602		ISO-P/M/K	4mm/.157"	0.08mm/.003"	0.60mm/.024"
12000761	PNMU1206ZNN-ST-YG602	-ST	ISO-P/M/S	4mm/.157"	0.10mm/.004"	0.60mm/.024"
12000596	PNMU1206ZNN-YG712		ISO-P	4mm/.157"	0.08mm/.003"	0.60mm/.024"
12000645	PNMU1206ZNN-YG713		ISO-P	4mm/.157"	0.08mm/.003"	0.60mm/.024"
12000753	PNMU1206ZNN-YG012		ISO-P/H	4mm/.157"	0.08mm/.003"	0.50mm/.020"
12000534	PNMU1206ZNN-YG5020		ISO-K	4mm/.157"	0.13mm/.005"	0.60mm/.024"
12000538	PNMU1206ZNN-YG501G		ISO-K	4mm/.157"	0.10mm/.004"	0.60mm/.024"
12000760	PNMU1206ZNN-ST-YG613	-ST	ISO-M/S	4mm/.157"	0.10mm/.004"	0.50mm/.020"
12000671	PNMU1206ZNN-YG613		ISO-M/S	4mm/.157"	0.08mm/.003"	0.50mm/.020"

2. PNMU12 / Milling Cutter

* Refer to page 29

EDP No.	DESCRIPTION	TYPE	KAPR*	DC	DCON	ZN
17000468	F36-PNMU12-D200Z4S075I	Facemill	36°	2.00"	0.75"	4
17000788	F36-PNMU12-D250Z5S075I	Facemill	36°	2.50"	0.75"	5
17000469	F36-PNMU12-D300Z8S100I	Facemill	36°	3.00"	1.00"	8
17000470	F36-PNMU12-D400Z10S125I	Facemill	36°	4.00"	1.25"	10
17000863	F36-PNMU12-D600Z14S200I	Facemill	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. Select from the pre-made KITS or if you need a different insert radius or are cutting aluminum, just mention you would like to select a different insert for your kit at no additional cost. YG-1 KITS - cost effective, flexible.

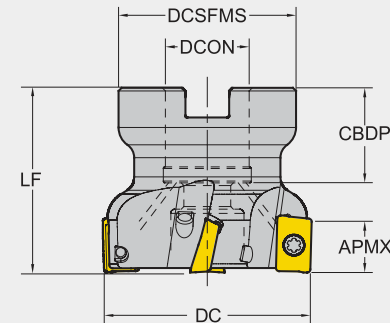
90 degree shoulder
Excellent performance for your square shoulder applications in steel, stainless, cast iron and aluminum
Select from out vast number of inserts specific to your application

1. APKT 10&16 / Milling Insert

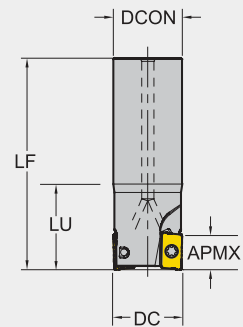


2. APKT / Milling Cutter

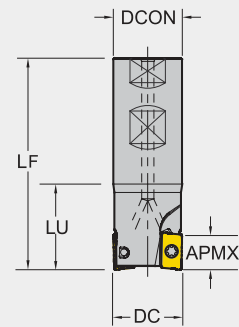
- Shell Mill



- Cylindrical

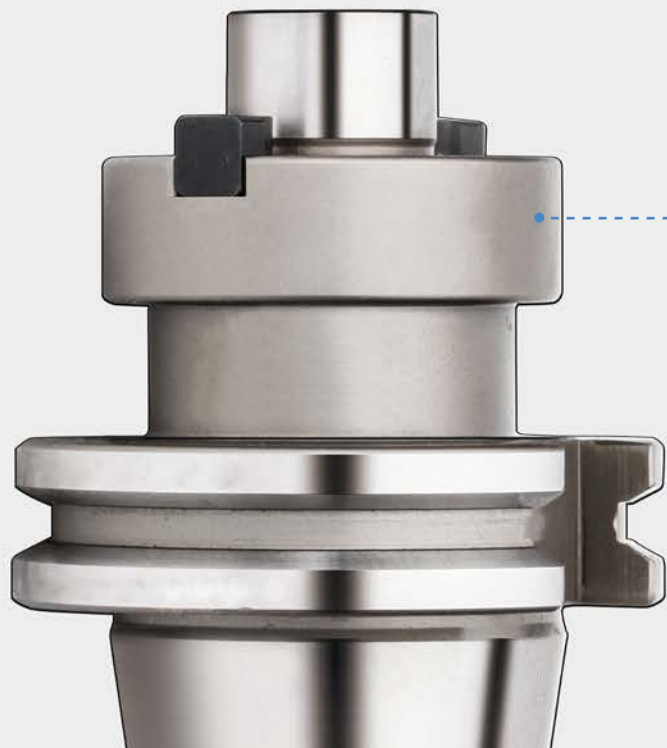


- Weldon



Rotary Tooling

Please find the available items from page 20 to page 25



APKT / Milling KIT (Insert+Cutter) Promo



PROMO KIT PRICE(CAD)	KIT PART No.	1. Milling Insert	2. Milling Cutter
\$ 134	Kit EM0.625x.625-10	APKT10 0305PDTR x 10	E90-APKT10-D0625Z2W0625-L350i x 1
\$ 147	Kit EM0.750x.750-10	APKT10 0305PDTR x 10	E90-APKT10-D075Z3W075-L320i x 1
\$ 164	Kit EM1.00x1.00-10	APKT10 0305PDTR x 10	E90-APKT10-D100Z4W100-L350i x 1
\$ 160	Kit EM1.00x.75-10	APKT10 0305PDTR x 10	E90-APKT10-D100Z4C075-L350i x 1
\$ 180	Kit FM 1.50-4FL-10	APKT10 0305PDTR x 10	F90-APKT10-D150Z4S075i x 1
\$ 289	Kit FM 2.00-7FL-10	APKT10 0305PDTR x 20	F90-APKT10-D200Z7S075i x 1
\$ 161	Kit EM1.00x1.00-16	APKT16 0408PDTR x 10	E90-APKT16-D100Z2W100-L400i x 1
\$ 199	Kit EM1.00x1.00-16 (L)	APKT16 0408PDTR x 10	E90-APKT16-D100Z2W100-L10000i x 1
\$ 191	Kit EM1.25x1.00-16	APKT16 0408PDTR x 10	E90-APKT16-D125Z3W100-L400i x 1
\$ 227	Kit EM1.25x1.00-16 (L)	APKT16 0408PDTR x 10	E90-APKT16-D125Z3W100-L10000i x 1
\$ 275	Kit FM 2.00-5FL-16	APKT16 0408PDTR x 20	F90-APKT16-D200Z5S075i x 1
\$ 314	Kit FM 2.50-6FL-16	APKT16 0408PDTR x 20	F90-APKT16-D250Z6S075i x 1
\$ 412	Kit FM 3.00-7FL-16	APKT16 0408PDTR x 30	F90-APKT16-D300Z7S100i x 1
\$ 454	Kit FM4.00-8FL-16	APKT16 0408PDTR x 30	F90-APKT16-D400Z8S150i x 1

1. APKT 10&16 / Milling Insert (10pcs/Pack)

* Refer to page32
** While supplies last

EDP No.	DESCRIPTION	GRADE	RE	APMX	Fz	APPLICATION *	EDP No.	DESCRIPTION	GRADE	RE	APMX	Fz	APPLICATION *
12000235	APKT10 0305-AL	YG2002	.020	.315	.0030 - .0200	Aluminum	12000607	APKT16 0408PDTR	YG613	.031	.630	.0030 - .0080	Steel, Stainless, Hi-Toughness
12000632	APKT10 0308PDTR	YG713	.031	.315	.0030 - .0060	General Steel Only	12000001	APKT16 04PDTR	YG602	.031	.630	.0035 - .0079	General, Multi Material
12000638	APKT10 0305PDTR	YG713	.020	.315	.0020 - .0055	General Steel Only	12000003	APKT16 0404PDTR	YG602	.016	.630	.0035 - .0079	General, Multi Material
12000610	APKT10 0308PDTR	YG613	.031	.315	.0030 - .0060	Steel, Stainless, Hi-Toughness	12000002	APKT16 0412PDTR	YG602	.047	.630	.0035 - .0079	General, Multi Material
12000672	APKT10 0305PDTR	YG613	.020	.315	.0020 - .0055	Steel, Stainless, Hi-Toughness	12000006	APKT16 0416PDTR	YG602	.062	.630	.0035 - .0079	General, Multi Material
12000005	APKT10 03PDTR	YG602	.020	.315	.0030 - .0055	General, Multi Material	12000255	APKT16 0424 PDTR	YG602	.094	.630	.0035 - .0079	General, Multi Material
12000004	APKT10 0308PDTR	YG602	.031	.315	.0030 - .0055	General, Multi Material	12000270	APKT16 0408-ST	YG602	.031	.630	.0030 - .0080	Stainless Steel, Steel, HRSA
12000429	APKT10 0305PDTR	YG622	.020	.315	.0020 - .0055	General, Steel, Cast Iron	12000617	APKT16 0408-ST	YG613	.031	.630	.0030 - .0080	Stainless Steel, Steel, HRSA
12000430	APKT10 0305PDTR	YG622	.031	.315	.0030 - .0060	General, Steel, Cast Iron	12000492	APKT16 0404-TR	YG602	.016	.630	.0050 - .0100	Hardened Steel / Protected Edge
12000278	APKT10 0305-ST	YG602	.020	.315	.0020 - .0060	Stainless Steel, Steel, HRSA	12000256	APKT16 0408-TR	YG602	.031	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000618	APKT10 0305-ST	YG613	.020	.315	.0020 - .0055	Stainless Steel, Steel, HRSA	12000493	APKT16 0412-TR	YG602	.047	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000236	APKT16 0408-AL**	YG2002	.031	.630	.0030 - .0200	Aluminum	12000472	APKT16 0416-TR	YG602	.062	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000428	APGT16 0408-AL	YG50	.032	.630	.0030 - .0200	Aluminum / Ground-Polished	12000494	APKT16 0424-TR	YG602	.094	.630	.0055 - .0100	Hardened Steel / Protected Edge
12000633	APKT16 0408PDTR	YG713	.031	.630	.0030 - .0080	General Steel Only	12000505	APKT16 0404-TR	YG622	.016	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000649	APKT16 0412PDTR	YG713	.047	.630	.0030 - .0080	General Steel Only	12000337	APKT16 0408-TR	YG622	.031	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000653	APKT16 0424 PDTR	YG713	.094	.630	.0030 - .0080	General Steel Only	12000520	APKT16 0424-TR	YG622	.094	.630	.0055 - .0100	Hardened Steel, Cast Iron
12000656	APKT16 0404PDTR	YG713	.016	.630	.0030 - .0080	General Steel Only	12000523	APKT16 0412-TR	YG622	.047	.630	.0055 - .0110	Hardened Steel, Cast Iron
12000661	APKT16 0416PDTR	YG713	.062	.630	.0030 - .0080	General Steel Only	12000524	APKT16 0416-TR	YG622	.062	.630	.0055 - .0110	Hardened Steel, Cast Iron

2. APKT / Milling Cutter

* Refer to page 29
** Modifiable shanks by customer

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°
17000090	E90-APKT16-D125Z3C100-L428i	AP.16	Cylindrical	3	1.250	1.25	4.28	1.000	----	1.00	90°	3.9°
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. Choose from any of our 9 pre-made KITS with general purpose inserts, or if you prefer you may request either of the other 2 styles for stainless steel or aluminum at no additional cost.

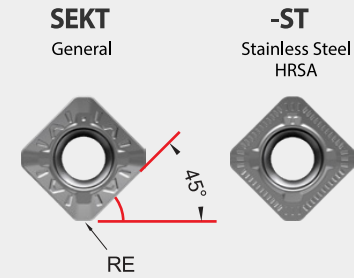
Advanced geometry provides excellent 45-degree cutting performance

Designed for semi-finishing to heavy milling

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

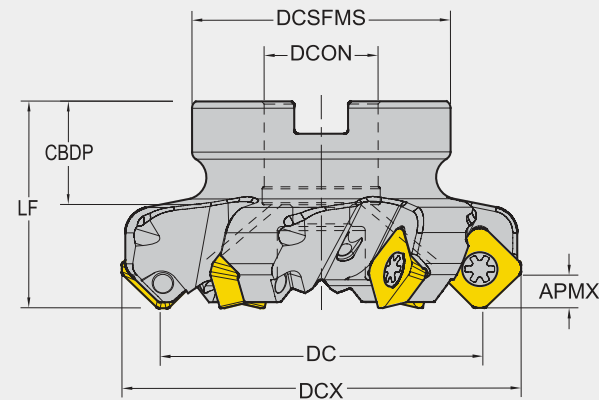


1. SEKT 12 / Milling Insert



2. SEKT / Milling Cutter

- Shell Mill



Rotary Tooling

Please find the available items from page 20 to page 25

SEKT / Milling KIT (Insert+Cutter) Promo



PROMO KIT PRICE(CAD)	KIT PART No.	1. Milling Insert	2. Milling Cutter
\$ 261	Kit F45-SEKT-D150Z4	SEKT1204AFTNYG602 x 10	F45-SEKT12-D150Z4S050i x 1
\$ 325	Kit F45-SEKT-D200Z5	SEKT1204AFTNYG602 x 10	F45-SEKT12-D200Z5S075i x 1
\$ 299	Kit F45-SEKT-D250Z4	SEKT1204AFTNYG602 x 10	F45-SEKT12-D250Z4S075i x 1
\$ 416	Kit F45-SEKT-D250Z6	SEKT1204AFTNYG602 x 20	F45-SEKT12-D250Z6S075i x 1
\$ 399	Kit F45-SEKT-D300Z4	SEKT1204AFTNYG602 x 20	F45-SEKT12-D300Z4S100i x 1
\$ 477	Kit F45-SEKT-D300Z7	SEKT1204AFTNYG602 x 20	F45-SEKT12-D300Z7S100i x 1
\$ 638	Kit F45-SEKT-D400Z8	SEKT1204AFTNYG602 x 20	F45-SEKT12-D400Z8S125i x 1
\$ 885	Kit F45-SEKT-D500Z10	SEKT1204AFTNYG602 x 30	F45-SEKT12-D500Z10S150i x 1
\$ 1137	Kit F45-SEKT-D600Z12	SEKT1204AFTNYG602 x 30	F45-SEKT12-D600Z12S200i x 1

1. SEKT 12 / Milling Insert (10pcs/Pack)

EDP No.	DESCRIPTION	GRADE	SERIES	RE	APMX	fz(min)	fz(max)	APPLICATION *
12000237	SEKT1204-AL-YG2002 **	YG2002	SEKT1204	.043	.236	.0020	.0220	Aluminum
12000467	SEKT1204-AL-YG50	YG50	SEKT1204	.043	.236	.0020	.0220	Aluminum, Ground-Polished
12000055	SEKT1204AFTN-YG602	YG602	SEKT1204	.043	.236	.0040	.0090	General, Multi Material
12000416	SEKT1204AFTN-YG622	YG622	SEKT1204	.043	.236	.0030	.0090	General, Steel, Cast Iron
12000257	SEKT1204-ST-YG602	YG602	SEKT1204	.043	.236	.0030	.0090	Stainless Steel, Steel, HRSA

* Refer to page 32
■ new release ** While supplies last

2. SEKT / Milling Cutter

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

* Refer to page 29



ODMT,ODMW - Face Milling

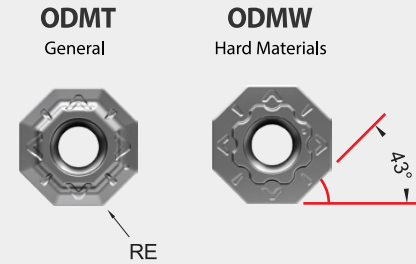
Cutting Angle : 43°
8 Corner Positive

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

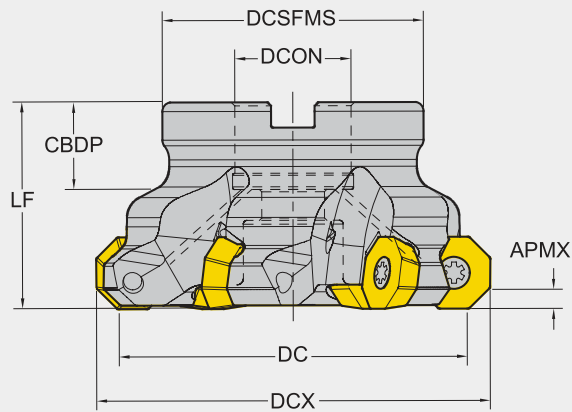


1. ODMT, ODMW / Milling Insert



2. ODMT, ODMW / Milling Cutter

- Shell Mill



Rotary Tooling

Please find the available items from page 20 to page 25

ODMT, ODMW / Milling KIT (Insert+Cutter) Promo



PROMO KIT PRICE(CAD)	KIT PART No.	1. Milling Insert	2. Milling Cutter
\$ 376	Kit F43-ODMT-D250Z5	ODMT060508 YG602 x 10	F43-ODMT06-D250Z5S075i x 1
\$ 534	Kit F43-ODMT-D300Z6	ODMT060508 YG602 x 20	F43-ODMT06-D300Z6S100i x 1
\$ 669	Kit F43-ODMT-D400Z7	ODMT060508 YG602 x 20	F43-ODMT06-D400Z7S125i x 1
\$ 870	Kit F43-ODMT-D500Z8	ODMT060508 YG602 x 30	F43-ODMT06-D500Z8S150i x 1

1. ODMT & ODMW / Milling insert (10pcs/Pack)

■ new release * Refer to page32

EDP No.	DESCRIPTION	GRADE	SERIES	RE	APMX	fz(min)	fz(max)	APPLICATION *
12000659	ODMT060508-YG713	YG713	ODMT06	.031	.138	.0050	.0120	General Steel Only
12000675	ODMT060508-YG613	YG613	ODMT06	.031	.138	.0060	.0120	General Steel, Hi-Toughness
12000030	ODMT060508-YG602	YG602	ODMT06	.031	.138	.0050	.0120	General, Multi Material
12000031	ODMW060508-YG602	YG602	ODMW06	.031	.138	.0050	.0140	General, Multi Material

2. ODMT & ODMW / Milling Cutter

* Refer to page 29

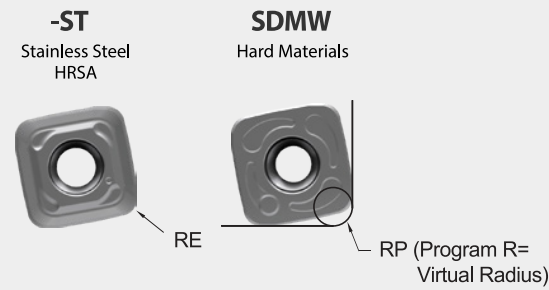
EDP No.	DESCRIPTION	INSERT CLASS	TYPE	CICT *	DC	DCX	LF	DCON	LU	DCSFMS	KAPR *	RMPX *
17000040	F43-ODMT06-D250Z5S075i	OD.06	Shell Mill	5	2.500	2.88	1.58	.750	----	2.01	43°	NR
17000041	F43-ODMT06-D300Z6S100i	OD.06	Shell Mill	6	3.000	3.55	1.75	1.000	----	2.25	43°	NR
17000042	F43-ODMT06-D400Z7S125i	OD.06	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,SDMW - High Feed Milling

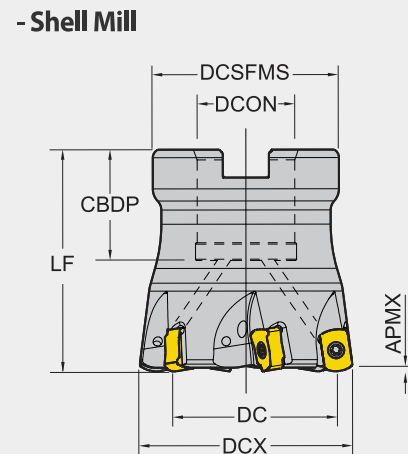
When It comes to high performance cutting ability, the SDMT series blows the competition away. From super stainless to mold steels, the SDMT line-up provides exceptional milling performance. YG-1's SDMT inserts are backed up by a new stronger, longer lasting stainless steel cutter body giving you the 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, SDMW / Milling Insert



2. SDMT, SDMW / Milling Cutter



Rotary Tooling

Please find the available items from page 20 to page 25

SDMT, SDMW / Milling KIT (Insert+Cutter) Promo

PROMO KIT PRICE(CAD)	KIT PART No.	1. Milling Insert	2. Milling Cutter
\$ 254	Kit HF-SDMW-D200Z5	SDMT120420-STYG602-T2 x 10	FHF-SD1204-D200Z5S075i x 1
\$ 281	Kit HF-SDMW-D250Z5	SDMT120420-STYG602-T2 x 10	FHF-SD1204-D250Z5S100i x 1
\$ 413	Kit HF-SDMW-D300Z5	SDMT120420-STYG602-T2 x 20	FHF-SD1204-D300Z5S100i x 1
\$ 468	Kit HF-SDMW-D300Z7	SDMT120420-STYG602-T2 x 20	FHF-SD1204-D300Z7S100i x 1
\$ 641	Kit HF-SDMW-D400Z7	SDMT120420-STYG602-T2 x 30	FHF-SD1204-D400Z7S150i x 1
\$ 696	Kit HF-SDMW-D400Z9	SDMT120420-STYG602-T2 x 30	FHF-SD1204-D400Z9S150i x 1

1. SDMT, SDMW / Milling Insert (10pcs/Pack)

■ new release * Refer to page 32

EDP No.	DESCRIPTION	GRADE	SERIES	RE	RP (Program R)	APMX	fz (min)	fz (max)	APPLICATION *
12000634	SDMW120420-YG713 / SDMW435	YG713	SDMW12	.079	.1575	.07(max)	.0230	.0590	General Steel Only
12000273	SDMW120420-YG602 / SDMW435	YG602	SDMW12	.079	.1575	.07(max)	.0240	.0550	General, Multi Material
12000341	SDMW120420-YG622 / SDMW435	YG622	SDMW12	.079	.1575	.07(max)	.0240	.0550	General, Multi Material
12000341	SDMW120420-YG622 / SDMW435	YG622	SDMW12	.079	.1575	.07(max)	.0230	.0590	General, Steel, Cast Iron
12000369	SDMT120420-ST-YG602-T1 / SDMT435-ST	YG602	SDMT12	.079	.1575	.07(max)	.0230	.0590	Stainless Steel, Steel, HRSA
12000274	SDMT120420-ST-YG602 / SDMT433ST	YG602	SDMT12	.079	.1575	.07(max)	.0230	.0590	Stainless Steel, Steel, HRSA
12000666	SDMT120420-ST-YG613 / SDMT435-ST	YG613	SDMT12	.079	.1575	.07(max)	.0150	.0450	Stainless Steel, Steel, HRSA

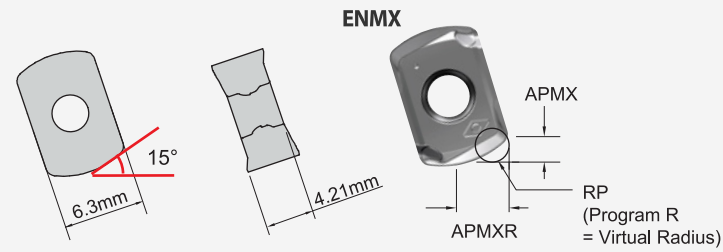
2. SDMT, SDMW / Milling Cutter

* Refer to page 29

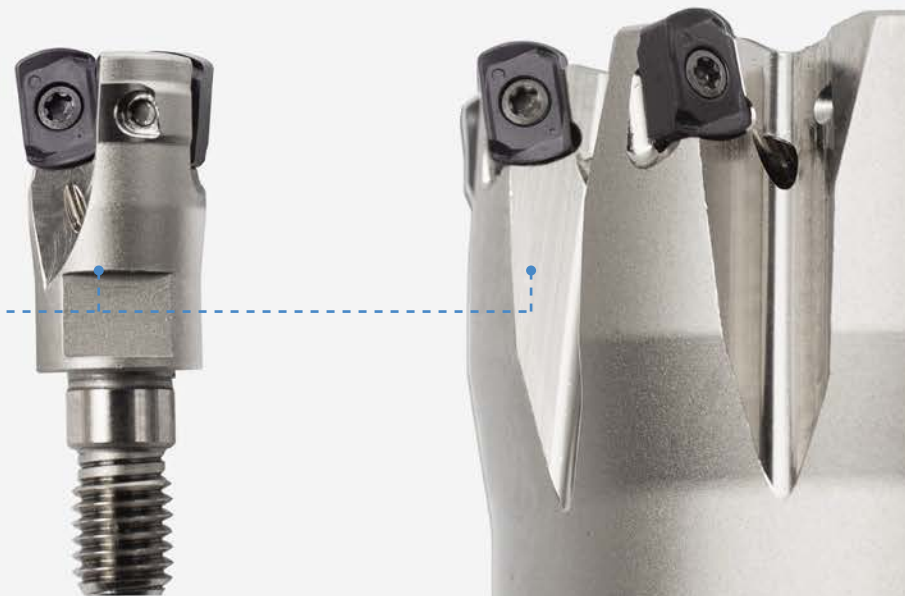
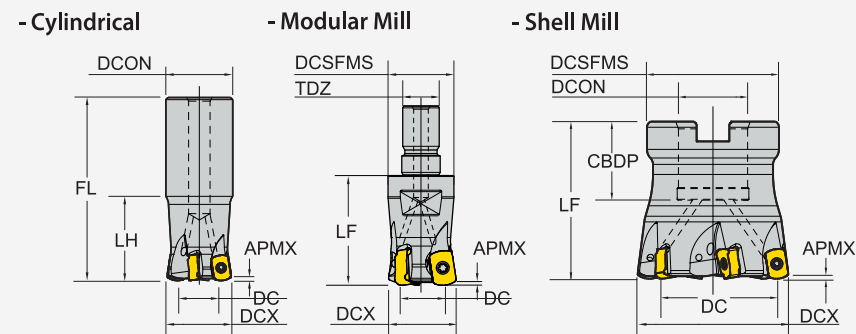
EDP No.	DESCRIPTION	INSERT CLASS	TYPE	CICT *	DC	DCX	LF	DCON	LU	DCFSMS	KAPR *	RMPX *
17000388	FHF-SD1204-D200Z5S075i	SD..12	Shell Mill	5	2.000	2.00	2.00	.750	----	1.75	10°	4.2°
17000389	FHF-SD1204-D250Z5S100i	SD..12	Shell Mill	5	2.500	2.50	2.00	1.000	----	2.13	10°	3.2°
17000436	FHF-SD1204-D300Z5S100i	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°

- ▶ 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



PROMO KIT MSRP(CAD)	KIT PART No.	DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ 259	Kit E-ENMX06-D625Z2	Ø.625" HF Endmill (Z=2)	EHF-ENMX06	x 10	EHF-ENMX06-D0625Z2W0625-L500i	x 1
\$ 280	Kit E-ENMX06-D750Z3	Ø.750" HF Endmill (Z=3)	EHF-ENMX06	x 10	EHF-ENMX06-D075Z3W075-L500i	x 1
\$ 334	Kit E-ENMX06-D1000Z4	Ø1.00" HF Endmill (Z=4)	EHF-ENMX06	x 10	EHF-ENMX06-D100Z4W100-L550i	x 1
\$ 386	Kit E-ENMX06-D1250Z5	Ø1.25" HF Endmill (Z=5)	EHF-ENMX06	x 10	EHF-ENMX06-D125Z5W125-L600i	x 1
\$ 480	Kit F-ENMX06-D1500Z6	Ø1.50" HF Facemill (Z=6)	FHF-ENMX06	x 20	FHF-ENMX06-D150Z6S050i	x 1
\$ 499	Kit F-ENMX06-D2000Z6	Ø2.00" HF Facemill (Z=6)	FHF-ENMX06	x 20	FHF-ENMX06-D200Z6S075i	x 1
\$ 677	Kit F-ENMX06-D3000Z10	Ø3.00" HF Facemill (Z=10)	FHF-ENMX06	x 30	FHF-ENMX06-D300Z10S100i	x 1
\$ 207	Kit M-ENMX06-D625Z2-M08	Ø.625" HF Modular-Mill (Z=2)	MHF-ENMX06	x 10	MHF-ENMX06-D0625Z2M08i	x 1
\$ 214	Kit M-ENMX06-D705Z2-M08	Ø.705" HF Modular-Mill (Z=2)	MHF-ENMX06	x 10	MHF-ENMX06-D0705Z2M08i	x 1
\$ 223	Kit M-ENMX06-D750Z3-M10	Ø.750" HF Modular-Mill (Z=3)	MHF-ENMX06	x 10	MHF-ENMX06-D075Z3M10i	x 1
\$ 231	Kit M-ENMX06-D830Z3-M10	Ø.830" HF Modular-Mill (Z=3)	MHF-ENMX06	x 10	MHF-ENMX06-D083Z3M10i	x 1
\$ 246	Kit M-ENMX06-D1000Z4-M12	Ø1.00" HF Modular-Mill (Z=4)	MHF-ENMX06	x 10	MHF-ENMX06-D100Z4M12i	x 1
\$ 255	Kit M-ENMX06-D1125Z4-M12	Ø1.125" HF Modular-Mill (Z=4)	MHF-ENMX06	x 10	MHF-ENMX06-D1125Z4M12i	x 1
\$ 265	Kit M-ENMX06-D1250Z5-M16	Ø1.250" HF Modular-Mill (Z=5)	MHF-ENMX06	x 10	MHF-ENMX06-D125Z5M16i	x 1
\$ 268	Kit M-ENMX06-D1375Z5-M16	Ø1.375" HF Modular-Mill (Z=5)	MHF-ENMX06	x 10	MHF-ENMX06-D1375Z5M16i	x 1
\$ 357	Kit M-ENMX06-D1500Z6-M16	Ø1.50" HF Modular-Mill (Z=6)	MHF-ENMX06	x 20	MHF-ENMX06-D150Z6M16i	x 1

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

* Refer to page32

EDP No.	DESCRIPTION	GRADE	SERIES	RP (Program R)	APMX	fz (min)	fz (max)	APPLICATION*
12000474	ENMX0604-YG602	YG602	ENMX06	R.079"	.035"	.012"	.079"	General, Multi Material

2. ENMX06 / Milling Cutter

* Refer to page 29

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°

ENMX06 / Milling Cutter - Modular Mill

* Refer to page 29

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°

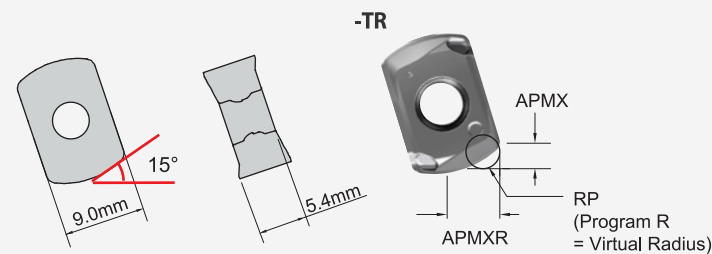
new

ENMX09 - High Feed Milling

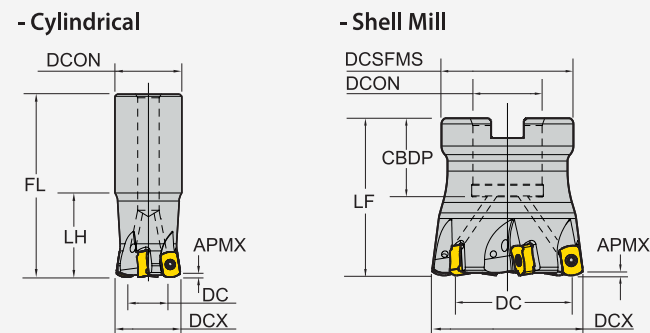
Cutting Angle : 15°
4 Corner Negative

- ▶ 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



ENMX09/ Milling KIT (Insert+Cutter) Promo



PROMO KIT MSRP(CAD)	KIT PART No.	DESCRIPTION	1. Milling Insert		2. Milling Cutter	
\$ \$307	Kit E-ENMX09-D100Z2	Ø1.00" HF Endmill, ENMX09 (Z=2)	ENMX0905-TR	x 10	EHF-ENMX09-D100Z2W100-L550I	x 1
\$ \$358	Kit E-ENMX09-D125Z3	Ø1.25" HF Endmill, ENMX09 (Z=3)	ENMX0905-TR	x 10	EHF-ENMX09-D125Z3W125-L600I	x 1
\$ \$384	Kit E-ENMX09-D150Z4	Ø1.50" HF Endmill, ENMX09 (Z=4)	ENMX0905-TR	x 10	EHF-ENMX09-D150Z4W125-L600I	x 1
\$ \$463	Kit F-ENMX09-D200Z5	Ø2.00" HF Facemill, ENMX09 (Z=5)	ENMX0905-TR	x 10	FHF-ENMX09-D200Z5S075I	x 1
\$ \$539	Kit F-ENMX09-D250Z6	Ø2.50" HF Facemill, ENMX09 (Z=6)	ENMX0905-TR	x 20	FHF-ENMX09-D250Z6S075I	x 1
\$ \$559	Kit F-ENMX09-D300Z8	Ø3.00" HF Facemill, ENMX09 (Z=8)	ENMX0905-TR	x 20	FHF-ENMX09-D300Z8S100I	x 1
\$ \$713	Kit F-ENMX09-D400Z10	Ø4.00" HF Facemill, ENMX09 (Z=10)	ENMX0905-TR	x 30	FHF-ENMX09-D400Z10S125I	x 1
\$ \$874	Kit F-ENMX09-D600Z14	Ø6.00" HF Facemill, ENMX09 (Z=14)	ENMX0905-TR	x 10	FHF-ENMX09-D600Z14S200I	x 1

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

■ new release * Refer to page 32

EDP No.	DESCRIPTION	GRADE	SERIES	RP (Program R)	APMX	fz(min)	fz(max)	APPLICATION *
12000600	ENMX0905-TR-YG602	YG602	ENMX09	R.098"	.059"	.012"	.079"	General, Multi Material

2. ENMX09 / Milling Cutter

■ new release * Refer to page 29

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°

TURNING PARTING & GROOVING MILLING DRILLING

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

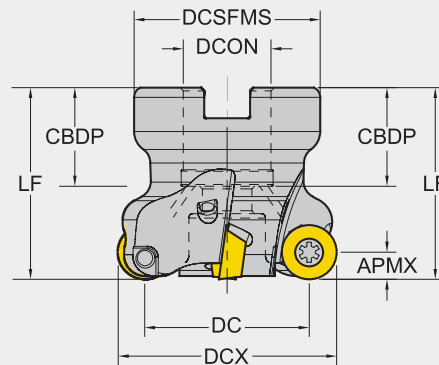


1. RDKT / Milling Insert

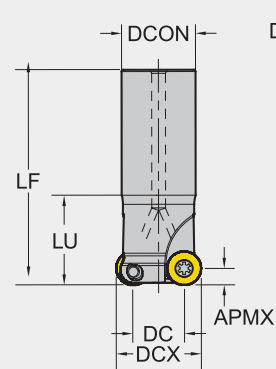


2. RDKT / Milling Cutter

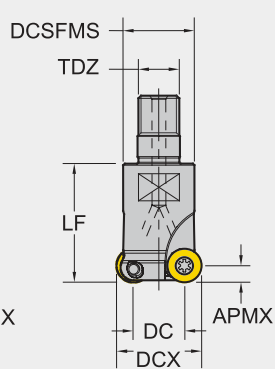
- Shell Mill



- Cylindrical

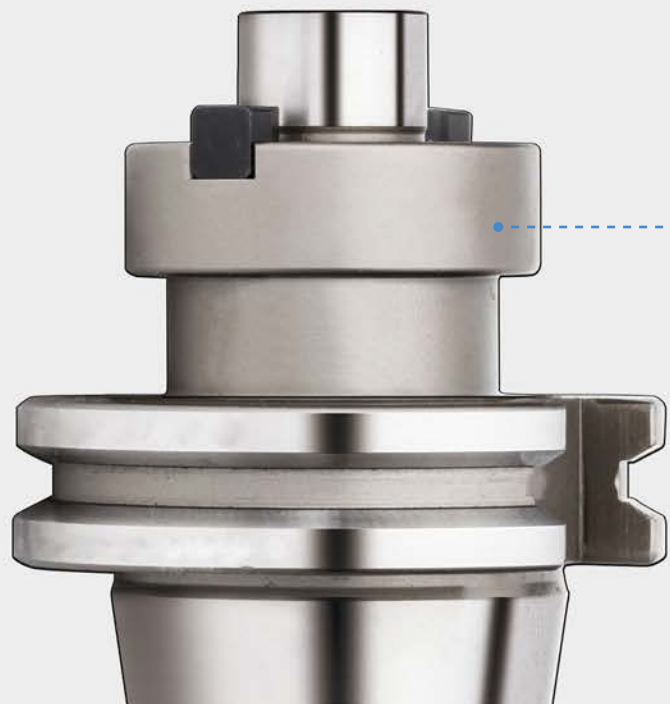


- Modular



Rotary Tooling

Please find the available items from page 20 to page 25



PROMO KIT PRICE(CAD)	KIT PART No.	1. Milling Insert	2. Milling Cutter
\$ 139	Kit R08E-D075Z2	RDKT08 02M0 YG602 x 10	E-RDKT08-D075Z2C075-L700i x 1
\$ 164	Kit R08E-D100Z3	RDKT08 02M0 YG602 x 10	E-RDKT08-D100Z3C075-L700i x 1
\$ 158	Kit R10E-D100Z2	RDKT10 T3M0 YG602 x 10	E-RDKT10-D100Z2C100-L700i x 1
\$ 221	Kit R10F-D150Z5	RDKT10 T3M0 YG602 x 10	F-RDKT10-D150Z5S050i x 1
\$ 290	Kit R10F-D200Z6	RDKT10 T3M0 YG602 x 20	F-RDKT10-D200Z6S075i x 1
\$ 163	Kit R12E-D100Z2	RDKT12 04M0 YG602 x 10	E-RDKT12-D100Z2C100-L700i x 1
\$ 176	Kit R12E-D125Z2	RDKT12 04M0 YG602 x 10	E-RDKT12-D125Z2C125-L800i x 1
\$ 178	Kit R12E-D125Z3	RDKT12 04M0 YG602 x 10	E-RDKT12-D125Z3C125-L600i x 1
\$ 207	Kit R12F-D150Z4	RDKT12 04M0 YG602 x 10	F-RDKT12-D150Z4S050i x 1
\$ 278	Kit R12F-D200Z5	RDKT12 04M0 YG602 x 20	F-RDKT12-D200Z5S075i x 1
\$ 313	Kit R12F-D250Z6	RDKT12 04M0 YG602 x 20	F-RDKT12-D250Z6S075i x 1

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

■ new release * Refer to page 32

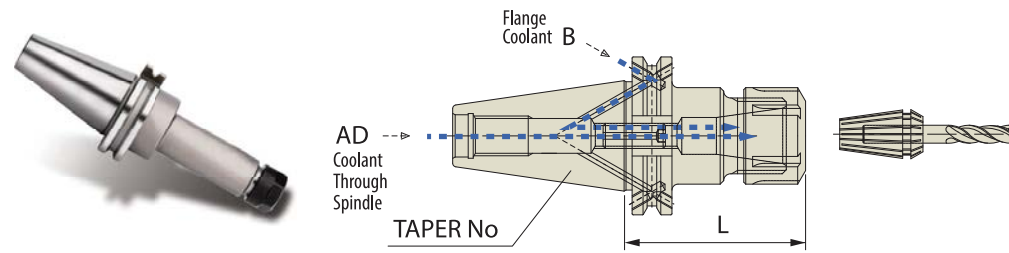
EDP No.	DESCRIPTION	GRADE	RE	APMX	Fz	APPLICATION *	EDP No.	DESCRIPTION	GRADE	RE	APMX	Fz	APPLICATION *
12000035	RDKT08 02M0	YG602	.157	.157	.0025-.0060	General, Multi Material	12000441	RDKW10 T3M0	YG622	.196	.196	.0035-.0085	General, Steel, Cast Iron
12000043	RDKW08 02M0	YG602	.157	.157	.0035-.0060	General, Multi Material	12000620	RDKT10 T3M0-ST	YG613	.196	.196	.0030-.0080	Stainless Steel, Steel, HRSA
12000245	RDMT08 02M0	YG602	.157	.157	.0025-.0060	General, Multi Material	12000651	RDKT10 T3M0	YG713	.196	.196	.0030-.0080	General Steel Only
12000227	RDMW08 02M0	YG602	.157	.157	.0035-.0060	General, Multi Material	12000635	RDKT12 04M0	YG713	.236	.236	.0040-.0095	General Steel Only
12000440	RDKW08 02M0	YG622	.157	.157	.0035-.0060	General, Steel, Cast Iron	12000647	RDKW12 04M0	YG713	.236	.236	.0040-.0100	General Steel Only
12000292	RDKT08 02M0-ST	YG602	.157	.157	.0025-.0070	Stainless Steel, Steel, HRSA	12000650	RDKT12 04M0-TR	YG713	.236	.236	.0050-.0120	General Steel / Protected Edge
12000339	RDKT08 02M0-TR	YG622	.157	.157	.0040-.0080	Hardened Steel, Cast Iron	12000034	RDKT12 04M0	YG602	.236	.236	.0040-.0095	General, Multi Material
12000284	RDKT08 02M0-TR	YG602	.157	.157	.0040-.0080	Hardened Steel / Protected Edge	12000042	RDKW12 04M0	YG602	.236	.236	.0040-.0100	General, Multi Material
12000041	RDKT10 T3M0	YG602	.196	.196	.0030-.0080	General, Multi Material	12000226	RDMT12 04M0	YG602	.236	.236	.0040-.0095	General, Multi Material
12000040	RDKW10 T3M0	YG602	.196	.196	.0035-.0085	General, Multi Material	12000229	RDMW1204M0	YG602	.236	.236	.0040-.0100	General, Multi Material
12000246	RDMT10 T3M0	YG602	.196	.196	.0030-.0080	General, Multi Material	12000442	RDKW12 04M0	YG622	.236	.236	.0040-.0100	General, Steel, Cast Iron
12000228	RDMW10 T3M0	YG602	.196	.196	.0035-.0085	General, Multi Material	12000294	RDKT12 04M0-ST	YG602	.236	.236	.0040-.0095	Stainless Steel, Steel, HRSA
12000293	RDKT10 T3M0-ST	YG602	.196	.196	.0030-.0090	Stainless Steel, Steel, HRSA	12000621	RDKT12 04M0-ST	YG613	.236	.236	.0040-.0095	Stainless Steel, Steel, HRSA
12000285	RDKT10 T3M0-TR	YG602	.196	.196	.0045-.0090	Hardened Steel / Protected Edge	12000340	RDKT12 04M0-TR	YG622	.236	.236	.0050-.0120	Hardened Steel, Cast Iron
12000338	RDKT10 T3M0-TR	YG622	.196	.196	.0045-.0100	Hardened Steel, Cast Iron	12000272	RDKT12 04M0-TR	YG602	.236	.236	.0050-.0120	Hardened Steel / Protected Edge

2. RDKT / Milling Cutter

* Refer to page 29

EDP No.	DESCRIPTION	INSERT CLASS	TYPE	CICT *	DC	DCX	LF	DCON	LU	DCSFMS	KAPR *	RMPX *
17000044	E-RDKT08-D075Z2C075-L700i	RD.08	Cylindrical	2	.435	.75	7.00	.750	3.00	NA	.157°	1-1.5°
17000046	M-RDKT08-D075Z2M10i	RD.08	Modular	2	.435	.75	1.25	M10	---	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°
17000047	M-RDKT08-D100Z3M12i	RD.08	Modular	3	.685	1.00	1.50	M12	---	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°
17000049	M-RDKT10-D100Z3M12i	RD.10	Modular	3	.606	1.00	1.50	M12	---	.83	.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°
17000055	M-RDKT12-D100Z2M12i	RD.12	Modular	2	.527	1.00	1.50	M12	---	.83	.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°
17000056	M-RDKT12-D125Z3M16i	RD.12	Modular	3	.777	1.25	1.50	M16	---	1.14	.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°

ER COLLET CHUCK / CAT



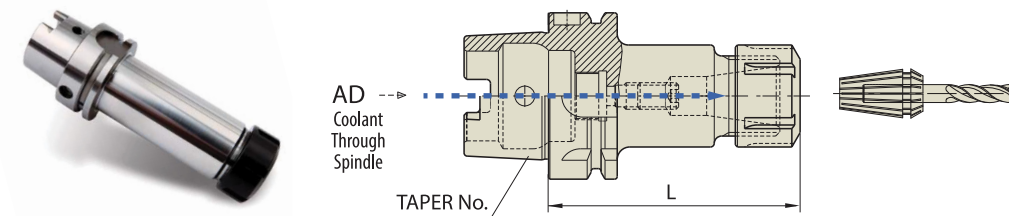
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3
RPM 15,000	Coolant System AD/B	

ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	COLLET SERIES	L (GAUGE LENGTH)	PROMO PRICE(CAD)
BK235BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER16-2.50	AD/B	ER16	2.5"	\$ 88.35
BK033BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER16-4.00	AD/B	ER16	4"	\$ 96.79
BK331BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER16-6.00	AD/B	ER16	6"	\$ 112.15
BK434BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER16-8.00	AD/B	ER16	8"	\$ 119.51
BK238BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER20-2.50	AD/B	ER20	2.5"	\$ 88.35
BK032BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER20-4.00	AD/B	ER20	4"	\$ 93.81
BK332BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER20-6.00	AD/B	ER20	6"	\$ 116.14
BK432BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER20-8.00	AD/B	ER20	8"	\$ 129.73
BK233BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER25-2.50	AD/B	ER25	2.5"	\$ 89.34
BK133BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER25-4.00	AD/B	ER25	4"	\$ 93.01
BK333BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER25-6.00	AD/B	ER25	6"	\$ 116.25
BK435BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER25-8.00	AD/B	ER25	8"	\$ 118.74
BK134BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER32-4.00	AD/B	ER32	4"	\$ 101.41
BK334BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER32-6.00	AD/B	ER32	6"	\$ 108.18
BK433BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER32-8.00	AD/B	ER32	8"	\$ 123.99
BK136BCN	CAT40	ER COLLET CHUCK	CAT40AD/B-ER40-4.00	AD/B	ER40	4"	\$ 108.47
BK237CN	CAT40	ER COLLET CHUCK	CAT40-ER32-2.50	AD	ER32	2.5"	\$ 97.05
BK236CN	CAT40	ER COLLET CHUCK	CAT40-ER40-2.50	AD	ER40	2.5"	\$ 99.67

DUAL CONTACT ER COLLET CHUCK / HSK



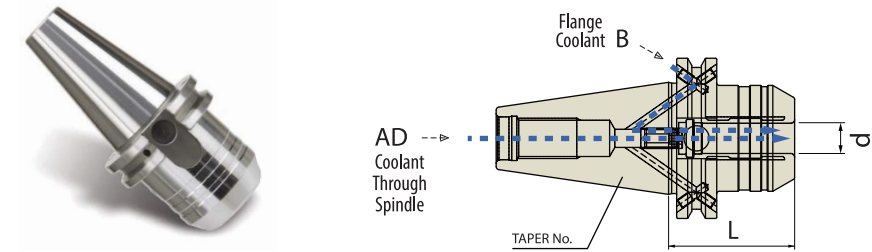
DIN 69893 - HSK	Taper Accuracy -	G Value 2.5
RPM 25,000	Coolant System AD	

DIN 69893/ISO 12164-1-HSK FORM A

Unit : inch

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	COLLET SERIES	L (GAUGE LENGTH)	PROMO PRICE(CAD)
BQ021CN	HSK63A	ER COLLET CHUCK	HSK63A-ER16-2.50	AD	ER16	2.5"	\$ 130.09
BQ022CN	HSK63A	ER COLLET CHUCK	HSK63A-ER16-4.00	AD	ER16	4"	\$ 146.91
BQ023CN	HSK63A	ER COLLET CHUCK	HSK63A-ER16-6.00	AD	ER16	6"	\$ 170.76
BQ024CN	HSK63A	ER COLLET CHUCK	HSK63A-ER20-4.00	AD	ER20	4"	\$ 163.95
BQ025CN	HSK63A	ER COLLET CHUCK	HSK63A-ER25-4.00	AD	ER25	4"	\$ 173.05
BQ020CN	HSK63A	ER COLLET CHUCK	HSK63A-ER32-4.00	AD	ER32	4"	\$ 179.46

HYDRAULIC CHUCK (Short & Rigid) / CAT



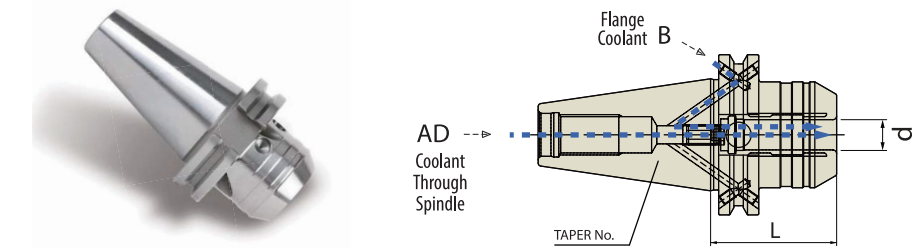
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5
RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B

ASME B5.50-2009-CAT

Unit : inch / metric

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	PROMO PRICE(CAD)
WK020SNR	CAT40	HYDRAULIC CHUCK	CAT40AD/B-HC1/2S-2.52	AD/B	.5"	2.52"	\$ 362.17
WK021SNR	CAT40	HYDRAULIC CHUCK	CAT40AD/B-HC5/8S-2.52	AD/B	.625"	2.52"	\$ 362.17
WK022SNR	CAT40	HYDRAULIC CHUCK	CAT40AD/B-HC3/4S-2.52	AD/B	.75"	2.52"	\$ 362.17
WK024SNR	CAT40	HYDRAULIC CHUCK	CAT40AD/B-HC1S-3.50	AD/B	1"	3.5"	\$ 365.81
WK100SNR	CAT40	HYDRAULIC CHUCK	CAT40AD/B-HC12S-50	AD/B	12 mm	50 mm	\$ 362.17
WK102SNR	CAT40	HYDRAULIC CHUCK	CAT40AD/B-HC20S-64.5	AD/B	20 mm	64.5 mm	\$ 362.17

HYDRAULIC CHUCK (Power E Hydro) / CAT new



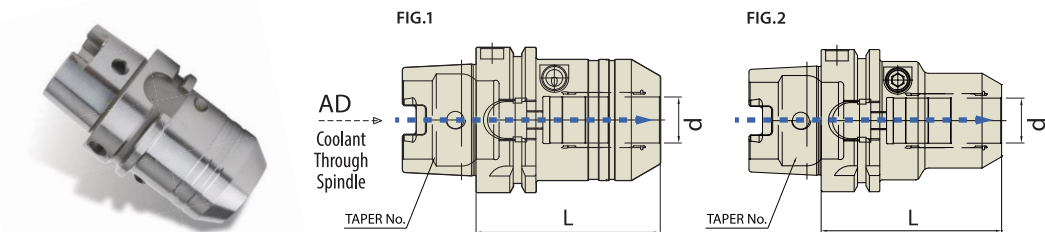
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5
RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B

ASME B5.50-2009-CAT

Unit : inch / metric

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	PROMO PRICE(CAD)
WK022PE	CAT40	HYDRAULIC CHUCK (Power E Hydro)	CAT40AD/B-HC3/4P-2.539	AD/B	.75"	2.539"	\$ 423.63
WK023PE	CAT40	HYDRAULIC CHUCK (Power E Hydro)	CAT40AD/B-HC3/4P-4.00	AD/B	.75"	4"	\$ 465.98
WK102PE	CAT40	HYDRAULIC CHUCK (Power E Hydro)	CAT40AD/B-HC20P-64.5	AD/B	20 mm	64.5mm	\$ 423.63
WK103PE	CAT40	HYDRAULIC CHUCK (Power E Hydro)	CAT40AD/B-HC20P-101.6	AD/B	20 mm	101.6mm	\$ 465.98

HYDRAULIC CHUCK (Power E Hydro) / HSK new



DIN 69893 - HSK	Taper Accuracy -	G Value 2.5
RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD

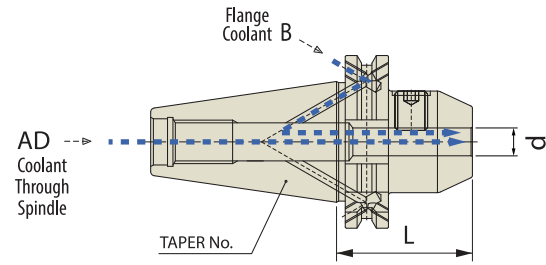
DIN 69893/ISO 12164-1-HSK FORM A

Unit : inch / metric

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	FIGURE	PROMO PRICE(CAD)
WQ002PE	HSK63A	HYDRAULIC CHUCK (Power E Hydro)	HSK63A-HC3/4P-3.149	AD	.75"	3.149"	1	\$ 579.27
WQ003PE	HSK63A	HYDRAULIC CHUCK (Power E Hydro)	HSK63A-HC3/4P-5.118	AD	.75"	5.118"	1	\$ 637.21
WQ100PE	HSK63A	HYDRAULIC CHUCK (Power E Hydro)	HSK63A-HC12P-80	AD	12 mm	80mm	2	\$ 579.27
WQ102PE	HSK63A	HYDRAULIC CHUCK (Power E Hydro)	HSK63A-HC20P-80	AD	20 mm	80mm	1	\$ 579.27



END MILL HOLDER / CAT



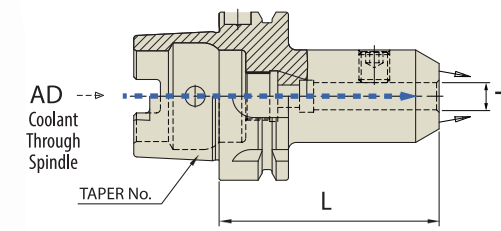
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3
	RPM 15,000	Coolant System AD/B

ASME B5.50-2009-CAT

Unit: inch

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	PROMO PRICE(CAD)
AK000BCN	CAT40	END MILL HOLDER	CCAT40AD/B-EMH1/8-2.50	AD/B	.125"	2.5"	\$ 92.62
AK225BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/16-1.75	AD/B	.187"	1.75"	\$ 92.62
AK039BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/16-4.00	AD/B	.187"	4"	\$ 95.24
AK221BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/4-1.75	AD/B	.250"	1.75"	\$ 92.62
AK038BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/4-4.00	AD/B	.250"	4"	\$ 95.24
AK224BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH5/16-1.75	AD/B	.312"	1.75"	\$ 92.62
AK003BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH5/16-2.50	AD/B	.312"	2.5"	\$ 92.62
AK222BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/8-1.75	AD/B	.375"	1.75"	\$ 92.62
AK004BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/8-2.50	AD/B	.375"	2.5"	\$ 92.62
AK037BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/8-4.00	AD/B	.375"	4"	\$ 95.24
AK226BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH7/16-1.75	AD/B	.437"	1.75"	\$ 92.62
AK031BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/2-2.50	AD/B	.5"	2.5"	\$ 92.62
AK035BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/2-4.00	AD/B	.5"	4"	\$ 95.24
AK131BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/2-5.00	AD/B	.5"	5"	\$ 104.05
AK208BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH5/8-1.75	AD/B	.625"	1.75"	\$ 92.62
AK033BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH5/8-3.00	AD/B	.625"	3"	\$ 92.62
AK132BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH5/8-5.50	AD/B	.625"	5.5"	\$ 104.05
AK032BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/4-3.00	AD/B	.75"	3"	\$ 92.62
AK034BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/4-4.00	AD/B	.75"	4"	\$ 95.24
AK133BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH3/4-5.50	AD/B	.75"	5.5"	\$ 104.05
AK036BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1-2.50	AD/B	1"	2.5"	\$ 92.62
AK014BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1-4.00	AD/B	1"	4"	\$ 92.62
AK114BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1-6.00	AD/B	1"	6"	\$ 115.73
AK217CN	CAT40	END MILL HOLDER	CAT40-EMH1*1/4-2.00	AD	1.25"	2"	\$ 123.66
AK040BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1*1/4-4.00	AD/B	1.25"	4"	\$ 92.62
AK041BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1*1/2-4.50	AD/B	1.5"	4.5"	\$ 98.15
AK206BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/2-1.75	AD/B	.5"	1.75"	\$ 92.62
AK223BCN	CAT40	END MILL HOLDER	CAT40AD/B-EMH1/8-1.75	AD/B	.125"	1.75"	\$ 92.62

DUAL CONTACT END MILL HOLDER (Coolant Channel Type) / HSK



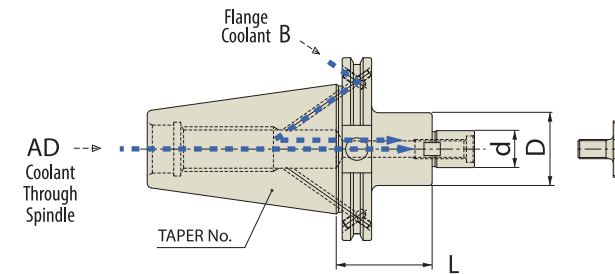
DIN 69893 - HSK	Taper Accuracy -	G Value 2.5
	RPM 25,000	Coolant System AD+C

DIN 69893/ISO 12164-1-HSK FORM A

Unit: inch

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	PROMO PRICE(CAD)
AQ041CCN	HSK63A	END MILL HOLDER	HSK63A-EMH1/4C-3.00	AD/C	.25"	3"	\$ 101.75
AQ045CCN	HSK63A	END MILL HOLDER	HSK63A-EMH3/8C-3.50	AD/C	.375"	3.5"	\$ 101.75
AQ043CCN	HSK63A	END MILL HOLDER	HSK63A-EMH1/2C-4.00	AD/C	.5"	4"	\$ 108.79
AQ042CCN	HSK63A	END MILL HOLDER	HSK63A-EMH3/4C-4.00	AD/C	.75"	4"	\$ 108.79
AQ041CCN	HSK63A	END MILL HOLDER	HSK63A-EMH1C-4.50	AD/C	1"	4.5"	\$ 118.11
AQ046CCN	HSK63A	END MILL HOLDER	HSK63A-EMH1*1/4C-4.50	AD/C	4.5"	4.5"	\$ 118.11

SHELL MILL ARBOR / CAT



ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3
	RPM 15,000	Coolant System AD/B

ASME B5.50-2009-CAT

Unit: inch

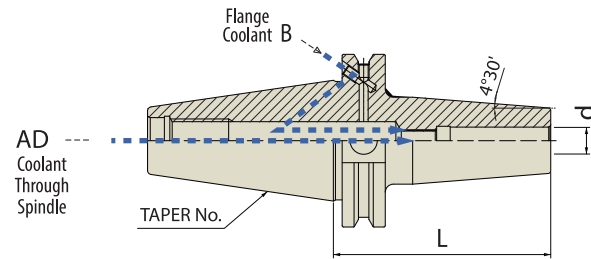
EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	D	L (GAUGE LENGTH)	PROMO PRICE(CAD)
EK006BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA1/2-1.5	AD/B	.5"	1.44"	1.5"	\$ 93.70
EK010BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA3/4-1.5	AD/B	.75"	1.69"	1.5"	\$ 93.70
EK310BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA3/4-3.50	AD/B	.75"	1.69"	3.5"	\$ 117.39
EK014BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA1-2.00	AD/B	1"	2.19"	2"	\$ 105.75
EK314BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA1-4.00	AD/B	1"	2.19"	4"	\$ 128.42
EK017BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA1*1/4-2.00	AD/B	1.25"	2.75"	2"	\$ 114.74
EK317BCN	CAT40	SHELL MILL ARBOR	CAT40AD/B-SMA1*1/4-4.00	AD/B	1.25"	2.75"	4"	\$ 136.27

SHRINK FIT HOLDER / CAT



DUAL CONTACT SHRINK FIT HOLDER / HSK

Shrink Fit Holder

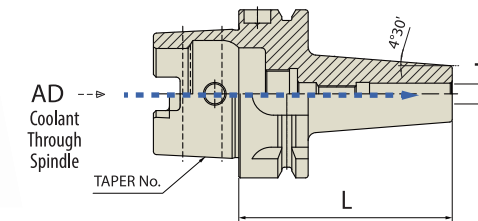


ASME B5.50 -CAT	Taper Accuracy AT3	G Value 2.5
RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B

ASME B5.50-2009-CAT

Unit : inch / metric

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	PROMO PRICE(CAD)
VK051	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1/8-3.50	AD/B	.125"	3.5"	\$ 198.82
VK056	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH3/16-3.50	AD/B	.1875"	3.5"	\$ 188.97
VK057	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1/4-3.00	AD/B	.25"	3"	\$ 175.96
VK052	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1/4-3.50	AD/B	.25"	3.5"	\$ 253.76
VK053	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1/4-6.00	AD/B	.25"	6"	\$ 253.76
VK058	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH3/8-3.00	AD/B	.375"	3"	\$ 175.96
VK054	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH3/8-6.00	AD/B	.375"	6"	\$ 175.96
VK059	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1/2-3.00	AD/B	.5"	3"	\$ 175.96
VK055	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1/2-6.00	AD/B	.5"	6"	\$ 253.76
VK062	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH3/4-3.00	AD/B	.75"	3"	\$ 175.96
VK060	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH3/4-6.00	AD/B	.75"	6"	\$ 253.76
VK063	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1-4.00	AD/B	1"	4"	\$ 179.03
VK061	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1-6.00	AD/B	1"	6"	\$ 262.46
VK064	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH1*1/4-4.00	AD/B	1.25"	4"	\$ 187.98
VK105	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH4-100	AD/B	4 mm	100mm	\$ 198.82
VK114	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH5-100	AD/B	5 mm	100mm	\$ 188.97
VK115	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH6-80	AD/B	6 mm	80mm	\$ 175.96
VK106	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH6-100	AD/B	6 mm	100mm	\$ 175.96
VK107	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH6-150	AD/B	6 mm	150mm	\$ 253.76
VK108	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH8-100	AD/B	8 mm	100mm	\$ 175.96
VK109	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH8-150	AD/B	8 mm	150mm	\$ 253.76
VK110	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH10-100	AD/B	10 mm	100mm	\$ 175.96
VK111	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH10-150	AD/B	10 mm	150mm	\$ 253.76
VK112	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH12-100	AD/B	12 mm	100mm	\$ 175.96
VK113	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH12-150	AD/B	12 mm	150mm	\$ 253.76
VK116	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH14-100	AD/B	14 mm	100mm	\$ 175.96
VK117	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH14-160	AD/B	14 mm	160mm	\$ 253.76
VK118	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH16-100	AD/B	16 mm	100mm	\$ 175.96
VK119	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH16-160	AD/B	16 mm	160mm	\$ 253.76
VK120	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH18-100	AD/B	18 mm	100mm	\$ 175.96
VK121	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH20-80	AD/B	20 mm	80mm	\$ 175.96
VK122	CAT40	SHRINK FIT HOLDER	CAT40AD/B-SFH25-90	AD/B	25 mm	90mm	\$ 179.03



DIN 69893 -HSK	Taper Accuracy AT3	G Value 2.5
RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD

DIN 69893/ISO 12164-1-HSK FORM A

Unit : inch / metric

EDP No.	TAPER No.	TYPE	DESCRIPTION	COOLANT	d	L (GAUGE LENGTH)	PROMO PRICE(CAD)
VQ020	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1/8-3.15	AD	.125"	3.15"	\$ 208.09
VQ022	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/16-3.15	AD	.187"	3.15"	\$ 208.09
VQ311	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/16-5.12	AD	.187"	5.12"	\$ 239.24
VQ024	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1/4-3.15	AD	.25"	3.15"	\$ 179.98
VQ052	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1/4-5.12	AD	.25"	5.12"	\$ 239.24
VQ201	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH5/16-3.15	AD	.312"	3.15"	\$ 179.98
VQ028	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/8-3.35	AD	.375"	3.35"	\$ 179.98
VQ053	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/8-5.12	AD	.375"	5.12"	\$ 239.24
VQ030	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/8-6.30	AD	.375"	6.3"	\$ 268.86
VQ032	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1/2-3.54	AD	.5"	3.54"	\$ 179.98
VQ054	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1/2-5.12	AD	.5"	5.12"	\$ 239.24
VQ034	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1/2-6.30	AD	.5"	6.3"	\$ 268.86
VQ040	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/4-3.94	AD	.75"	3.94"	\$ 179.98
VQ042	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH3/4-6.30	AD	.75"	6.3"	\$ 268.86
VQ046	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1-4.53	AD	1"	4.53"	\$ 191.14
VQ048	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH1-6.30	AD	1"	6.3"	\$ 268.86
VQ055	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH5/8-3.74	AD	.625"	3.74"	\$ 179.98
VQ102	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH6-160	AD	6 mm	160mm	\$ 268.86
VQ103	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH8-160	AD	8 mm	160mm	\$ 268.86
VQ104	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH10-160	AD	10 mm	160mm	\$ 268.86
VQ118	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH12-160	AD	12 mm	160mm	\$ 268.86
VQ119	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH14-160	AD	14 mm	160mm	\$ 268.86
VQ120	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH16-160	AD	16 mm	160mm	\$ 268.86
VQ121	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH18-160	AD	18 mm	160mm	\$ 268.86
VQ122	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH20-160	AD	20 mm	160mm	\$ 268.86
VQ123	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH25-160	AD	25 mm	160mm	\$ 268.86
VQ109	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH4-80	AD	4 mm	80mm	\$ 208.09
VQ110	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH5-80	AD	5 mm	80mm	\$ 208.09
VQ111	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH8-80	AD	8 mm	80mm	\$ 179.98
VQ112	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH12-90	AD	12 mm	90mm	\$ 179.98
VQ113	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH14-90	AD	14 mm	90mm	\$ 179.98
VQ114	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH16-95	AD	16 mm	95mm	\$ 179.98
VQ115	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH18-95	AD	18 mm	95mm	\$ 179.98
VQ116	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH20-100	AD	20 mm	100mm	\$ 179.98
VQ117	HSK63A	SHRINK FIT HOLDER	HSK63A-SFH25-115	AD	25 mm	115mm	\$ 191.14

Shrink Fit Holder

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



YG-1 TECHNOLOGY CENTER GMBH



YG-1 GLOBAL CENTER

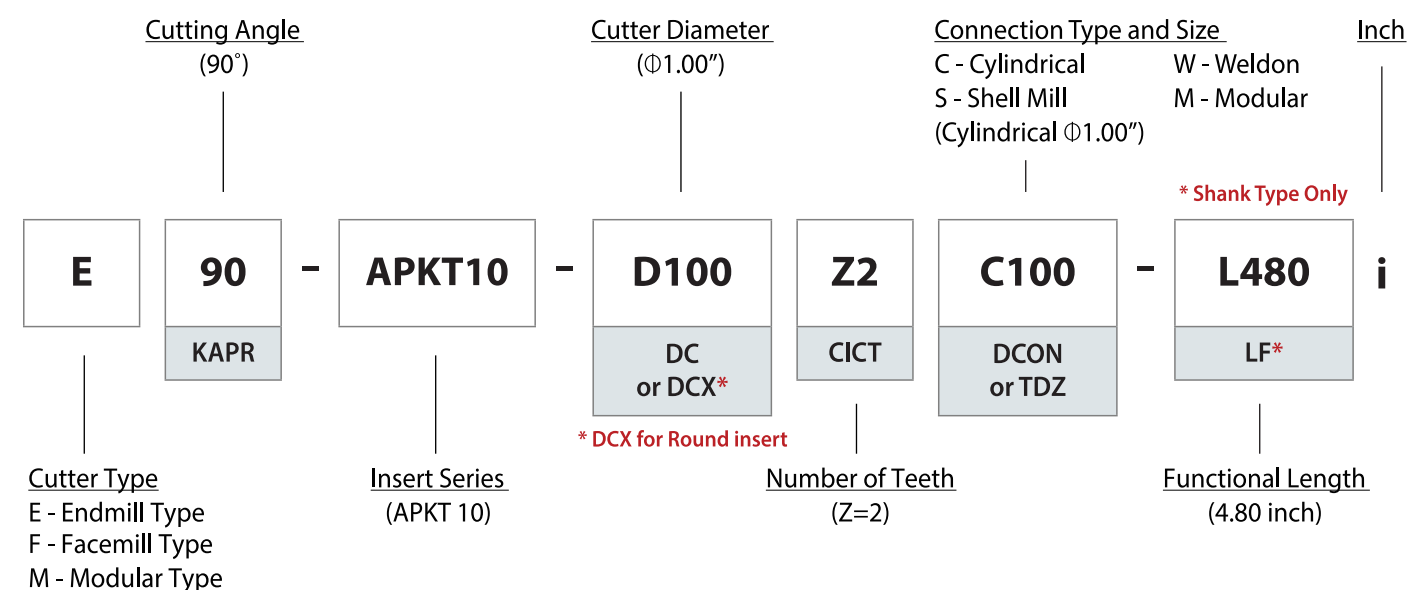
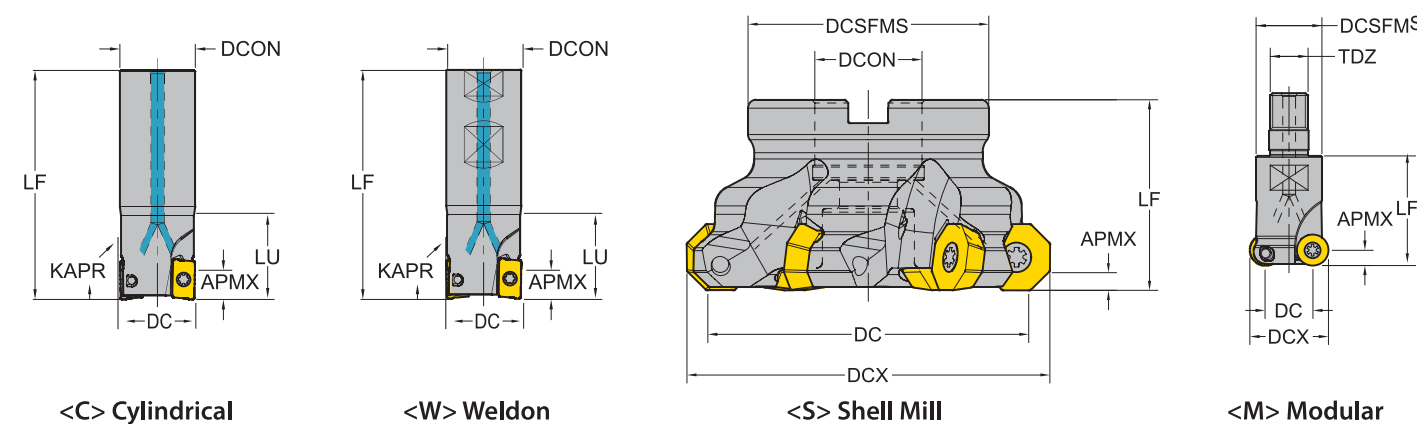


YG-1 R&D CENTER

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.

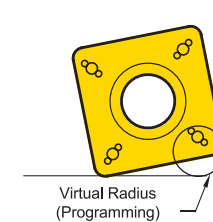
Milling Cutters Designation Systems



Milling Terms

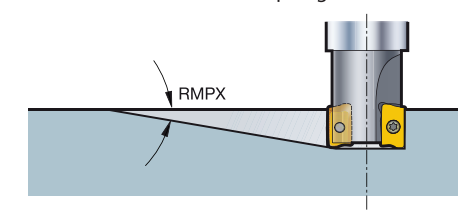
Attribute	Definition	Attribute	Definition
APMX	Depth of cut maximum	DCX	Maximum cutting diameter
APMXR	Maximum depth of cut - radial plunge	KAPR	Tool cutting edge angle
CICT	Cutting item count	LF	Functional length
DC	Cutting diameter	LU	Usable length (max. recommended)
DCON	Connection diameter	TDZ	Thread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

Programming R



RMPX

Maximum ramp angle



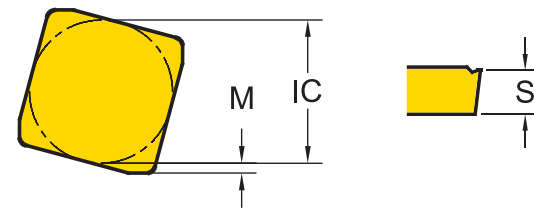
1	2	3	4	5	6	7	8	9	10
A	P	K	T	16	04	08	PDTR	-TR	YG602
Shape	Relief Angle (AN)	Tolerance	Clamping & Chipbreaker	Insert Size	Insert Thickness (S)	Corner Radius	Corner Geometry	Chipbreaker	Grade

1 - Shape

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

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



2 - Relief Angle (AN)

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

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

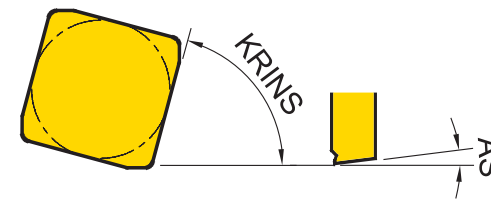
6 - Insert Thickness

* 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°

8-3 - Edge Condition

Symbol	Cutting Edge Condition	
F	Sharp	
T	Chamfered	






8-2 - Wiper Edge Clearance (AS)

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

8-4 - Feed Direction

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

9 - Milling Chipbreakers

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

10. Milling Grade

Milling Grades	P Steel					M Stainless Steel				K Cast Iron				N Non Ferrous				S Super Alloy					
	P05	P15	P25	P35	P45	M05	M15	M25	M35	K05	K15	K25	K35	N05	N15	N25	N35	S05	S15	S25	S35		
PVD	YG602			602				602				602								602			
	YG622			622								622											
	YG2002																2002						
	YG712			712																			
	YG713			713																			
	YG613				613				613														613
CVD	YG5020											5020											
Uncoated	YG50																50						

Milling Grades

YG602 P20 - P35 M20 - M40 K20 - K40 S15 - S25	PVD - TiAlN 	General purpose grade for milling applications <ul style="list-style-type: none"> • First choice in general purpose milling applications • Ultra dense PVD coating with optimal thermal resistance & strength • Sub-micron substrate designed for demanding application • Excellent choice for all materials
YG622 P20 - P35 K20 - K40	PVD - TiAlN 	General purpose grade for demanding milling applications <ul style="list-style-type: none"> • Excellent grade for the toughest and most demanding conditions. • PVD coated with superior adhesion and edge strength • Designed specifically for alloyed steels (die/mold) and unstable conditions • Excellent choice in cast iron
YG2002 N05 - N35	PVD - CrN 	Optimized grade for aluminum <ul style="list-style-type: none"> • Sub-micron substrate designed for aluminum application • With unique PVD coating
YG712 P10 - P30	PVD - TiAlCrN 	NEW - high speed milling grade for steel applications <ul style="list-style-type: none"> • YG-1's newest grade for the demands of high speed machining • The high hardness coating technology provides excellent wear and heat resistance without compromising the toughness in steel
YG713 P15 - P25 H20 - H30	PVD - TiAlN 	Milling grade for general steel only application <ul style="list-style-type: none"> • Multi-layer TiAlN structure realizes stronger crater and flank wear resistance • Fine-grained carbide and balanced substrate • Perfectly designed to dominate toughest in your steel applications
YG613 P30 - P50 M30 - M40	PVD - TiAlN 	Milling grade developed for steels, stainless steels and super alloys <ul style="list-style-type: none"> • 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 • NEW - enhanced performance in stainless steels and steel applications
YG5020 K1 - K30	CVD TiCN - Al ₂ O ₃ 	CVD milling grade for cast iron <ul style="list-style-type: none"> • CVD coating for excellent wear resistance • Improved toughness for chipping resistance
YG50 N05 - N20	Uncoated 	Uncoated milling grade for aluminum <ul style="list-style-type: none"> • 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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