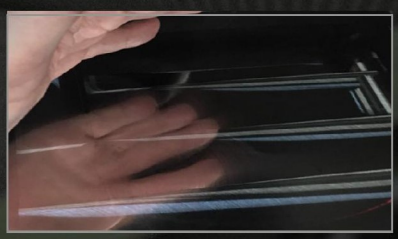
YG-1 INDEXABLE MILLING

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

CAN YOUR ROUGHING CUTTER FINISH?

FM10 PNMU

Ability to rough and finish with one cutter



E.M. PRECISE TOOL LTD.

CUTTING TOOLS • PRECISION TOOLS • COOLANTS

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YG-1 ROTARY TOOLING

HYDRAULIC CHUCK (Power E)

SHELL MILL ARBOR

END MILL HOLDER

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SHRINK FIT HOLDER

POWER MILLING CHUCK

TAPPING ER CHUCK

YG-1 Canada Inc.

3375 North Service, Road, Unit A8 Burlington,
Ontario, L7N 3G2, Canada

Phone : 905-335-2500 / Fax : 905-335-4003
Customer Service : orders@yg1.ca / yg1.ca

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Phone : +82-32-526-0909
E-mail : yg1@yg1.kr / yg1.kr

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**

YouTube
Search 'YG-1' on social media outlets

YGMiLL

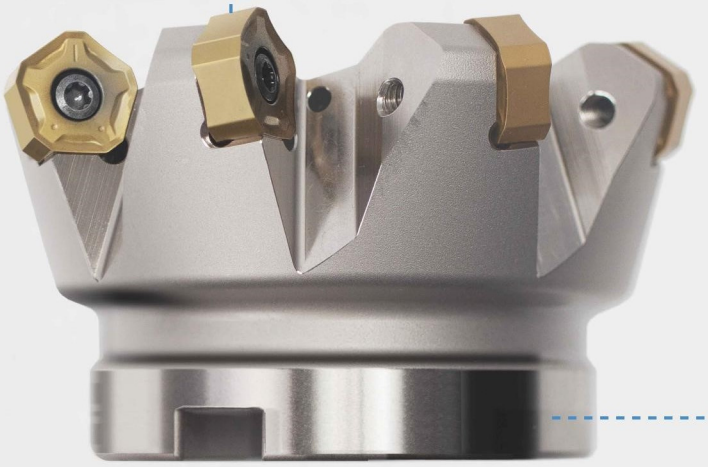
Milling - Face Milling - Cutter

FM10 **PNMU**

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**

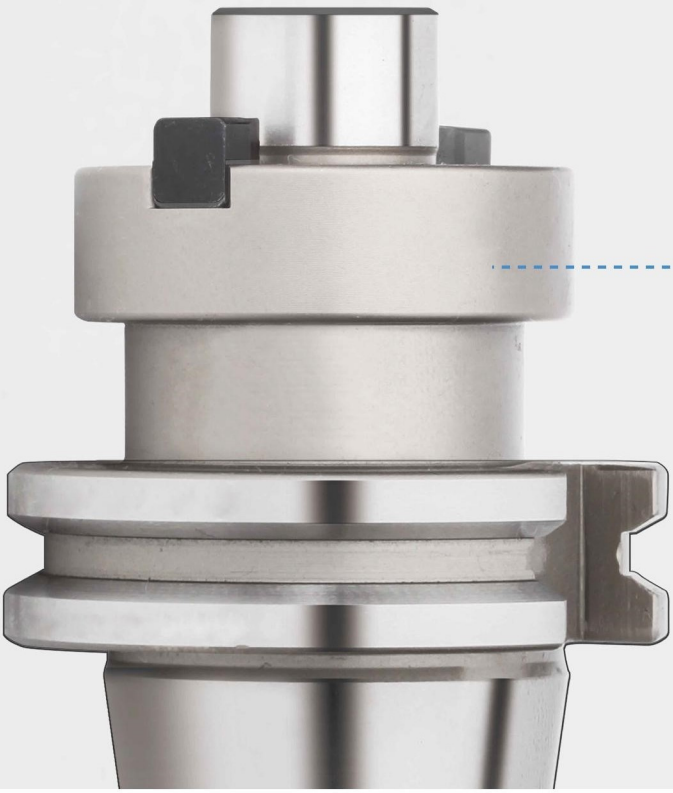


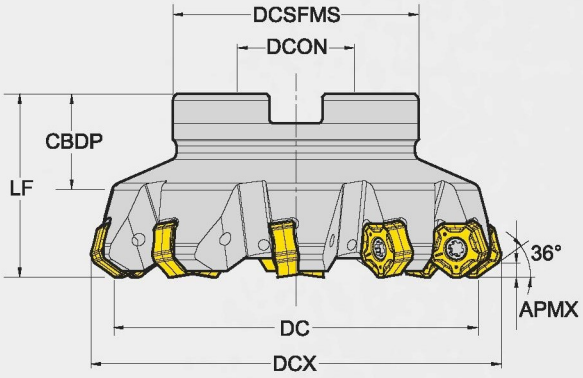
- **36° entry angle**
  Increased feed rate by 30% over typical 45° facemill
  Outstanding stability due to direction of force into to spindle.

- **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**

PNMU / **Milling KIT (Insert+Cutter)** Promo - Promotion only valid in Canada

* Savings from List price are **up to 38%** / ***Valid Until Dec 30, 2022***

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

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

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**

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

Cutting Speed Vc

ISO	VDI	Sub Group	YG602		YG712		YG713		YG012		YG613		YG501		YG5020	
			m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min
			Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max	Min Max
P	1~5	Non-Alloyed Steel	180-280	590-920	220-320	720-1050	200-300	660-980	180-300	590-980	-	-	-	-	-	-
P	6~9	Low-Alloyed Steel	150-250	490-820	190-290	620-950	170-270	560-890	180-280	590-920	-	-	-	-	-	-
P	10~11	High-Alloyed Steel	70-140	230-460	90-155	300-510	85-145	280-480	80-160	260-520	-	-	-	-	-	-
M	12~13	Ferritic & Martensitic	120-200	390-660	-	-	-	-	-	-	70-180	230-590	-	-	-	-
M	14	Austenitic Stainless Steel	130-250	430-820	-	-	-	-	-	-	70-200	230-660	-	-	-	-
K	15~16	Grey Cast Iron	120-250	390-820	-	-	-	-	-	-	-	-	160-300	520-980	200-350	660-1150
K	17~18	Nodular Cast Iron	130-220	430-720	-	-	-	-	-	-	-	-	130-210	420-690	150-300	490-980
N	21~30	Non-Ferrous Metals (Al)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	31~37	Superalloys & Titanium	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	38~41	Hard Materials	40- 80	130-260	-	-	-	-	70-120	230-390	-	-	-	-	-	-