

FREE TOOL
with purchase of inserts

March Madness Ultimate Sale Trade Up Promotion!



Trade in any competitors milling cutter
and receive a **FREE APX4000UR**
milling cutter with insert purchase

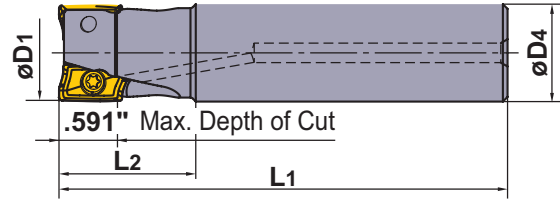
Scan to see
me in action!

Promotional Period:
February 21 to March 30, 2012

Promo code#
Pro-2012-1



March Madness Ultimate Sale Trade Up Promotion



Purchase 10 pcs of AOMT18 inserts and choose one APX4000UR end mill from the list below.**

SHANK TYPE

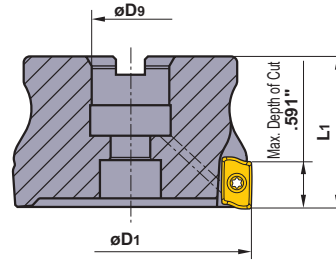
•APX4000UR○○○SA○○ = Ground shank
•APX4000UR○○○FA○○ = Flat shank

Item	Type	Insert Corner Re (inch)	Order Number	Stock	Number of Teeth	Dimensions (inch)			
						D1	D4	L1	L2
1	Standard A Holders	.016 .079	APX4000UR121FA12SA	●	1	.750	.750	4.000	1.250
2			121SA12SA	●	1	.750	.750	4.000	1.250
3			162SA12SA	●	2	1.000	.750	4.000	1.250
4			162FA16SA	●	2	1.000	1.000	4.500	1.250
5			162SA16SA	●	2	1.000	1.000	4.500	1.250
6			202FA20SA	●	2	1.250	1.250	5.000	1.750
7			202SA20SA	●	2	1.250	1.250	5.000	1.750
8			203FA20SA	●	3	1.250	1.250	5.000	1.750
9			203SA20SA	●	3	1.250	1.250	5.000	1.750
10			243FA20SA	●	3	1.500	1.250	5.000	1.750
11			243SA20SA	●	3	1.500	1.250	5.000	1.750
12			244FA20SA	●	4	1.500	1.250	5.000	1.750
13			244SA20SA	●	4	1.500	1.250	5.000	1.750
14	NEW B Holders	.125 .157	APX4000UR121FA12SB	●	1	.750	.750	4.000	1.250
15			162FA16SB	●	2	1.000	1.000	4.500	1.250
16			202FA20SB	●	2	1.250	1.250	5.000	1.750
17			203FA20SB	●	3	1.250	1.250	5.000	1.750
18			243FA20SB	●	3	1.500	1.250	5.000	1.750
19			244FA20SB	●	4	1.500	1.250	5.000	1.750
20	Long A Holders	.016 .079	APX4000UR162SA16LA	●	2	1.000	1.000	8.500	1.250
21			202SA20LA	●	2	1.250	1.250	9.000	1.750
22			203SA20LA	●	3	1.250	1.250	9.000	1.750
23			243SA24LA	●	3	1.500	1.500	9.000	1.750
24			244SA24LA	●	4	1.500	1.500	9.000	1.750
25			243SA24ELA	●	3	1.500	1.500	14.000	1.750
26	NEW B Holders	.125 .157	APX4000UR162SA16LB	●	2	1.000	1.000	8.500	1.250
27			202SA20LB	●	2	1.250	1.250	9.000	1.750
28			203SA20LB	●	3	1.250	1.250	9.000	1.750
29			243SA24LB	●	3	1.500	1.500	9.000	1.750
30			244SA24LB	●	4	1.500	1.500	9.000	1.750
31			243SA24ELB	●	3	1.500	1.500	14.000	1.750

COMBINATION OF HOLDER AND INSERT CORNER RADIUS

Holder	A Holder						B Holder		C Holder	
	APX4000UR○○○○○A						APX4000UR○○○○○B		APX4000UR○○○○○C	
Insert Corner Radius (Re)	.016"	.031"	.039"	.047"	.063"	.079"	.125"	.157"	.197"	.250"

Free Tool with Purchase of Inserts



Purchase 20 pcs of AOMT18 inserts and choose one APX4000UR face mill from the list below.**

ARBOR TYPE

Item	Type	Insert Corner Re (inch)	Order Number	Stock	Number of Teeth	Dimensions (inch)		
						D1	L1	D9
32	A Holders	.016 .079	APX4000UR0204A	●	4	2.000	1.625	.750
33			0205A	●	5	2.000	1.625	.750
34			2505CA	●	5	2.500	2.000	1.000
35			0306DA	●	6	3.000	2.500	1.250
36			0307DA	●	7	3.000	2.500	1.250
37			0408EA	●	8	4.000	2.500	1.500
38	B Holders	.125 .157	APX4000UR0204B	●	4	2.000	1.625	.750
39			0205B	●	5	2.000	1.625	.750
40			2505CB	●	5	2.500	2.000	1.000
41			0306DB	●	6	3.000	2.500	1.250
42			0307DB	●	7	3.000	2.500	1.250
43			0408EB	●	8	4.000	2.500	1.500

APX4000UR* tooling features:

- ✓ Low resistance insert and high rigidity body
- ✓ Multi functional milling
- ✓ Max depth of cut 0.591"

(Note) For large R inserts

APX offers various nose radii for inserts, however one holder can NOT secure every insert radius.

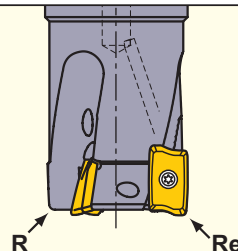
We offer A-Holders that properly secures up to .079" radius.

We offer B-Holders that secures .125" and .157" radius, only for popular inch sizes.

Customers may modify holders as below, so that larger nose radii can be secured.

NOTE ON USE OF INSERTS WITH LARGE CORNER RADII

When using inserts with corner radius $Re \geq R.125"$, please machine the holder with a radius form as shown on the right table.


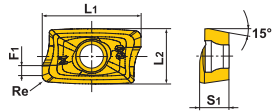

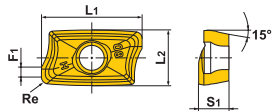


Re	R
.125"	.098"
.157"	B-Holders
.197"	.197"
.250"	C-Holders

R : Holder end radius
Re : Insert corner radius

Promotional Period: February 21 – March 30

Purchase your **AOMT18**** inserts from the list below

INSERTS										Geometry	
Item	Shape	Order Number	Coated			Dimensions (inch)					
			MC5020	VP15TF	VP20RT	L1	L2	S1	F1		Re
44	 General Use M breaker	AOMT184804PEER-M	●	●		.709	.354	.189	.071	.016	
45		184808PEER-M	●	●		.709	.354	.189	.055	.031	
46		184812PEER-M	●			.709	.354	.189	.031	.047	
47		184816PEER-M	●	●		.709	.354	.189	.016	.063	
48	 Strong Cutting Edge Type H breaker	AOMT184804PEER-H	●	●	●	.709	.354	.189	.071	.016	
49		184808PEER-H	●	●	●	.709	.354	.189	.055	.031	
50		184816PEER-H	●	●	●	.709	.354	.189	.016	.063	
51		184832PEER-H	●	●		.709	.354	.189	.016	.125	
52		184840PEER-H	●	●		.709	.354	.189	.016	.157	
53		184850PEER-H	●	●		.709	.354	.189	—	.197	
54		184864PEER-H	●	●		.709	.354	.189	—	.250	

AOMT18** insert features

- ✓ M-breaker; 1st choice for general use.
- ✓ H-breaker; strong edge type
- ✓ VP15TF grade for general use
- ✓ VP20RT grade for stainless steel and tougher applications
- ✓ MC5020 grade for cast iron

Promotion Details

- Shank type end mill kit includes 1 cutter (APX4000UR*) and 10 inserts (AOMT18*)
- Arbor type face mill kit includes 1 cutter (APX4000UR*) and 20 inserts (AOMT18*)
- Promotion includes APX tooling and inserts listed in promotional flyer
- All sales are final, with no returns and no blanket orders
- Check with your local Mitsubishi Materials USA sales representative for competitor product returns
- Offer is limited to standard APX4000 in-stock items listed, while supply lasts
- For additional information about our products, please visit www.mmus.com

Promo code #
Pro-2012-1

If you have a technical question about the APX4000 milling product, please contact the Chicago office at 847-252-6300

MITSUBISHI MATERIALS CORPORATION

MITSUBISHI MATERIALS U.S.A. CORPORATION

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Mitsubishi Carbide Home page : www.mmus.com
(Tools specifications subject to change without notice.)