

ADVANCED PERFORMANCE

Solid Carbide End Mills For Aluminum And Non-Ferrous Materials



INTRO

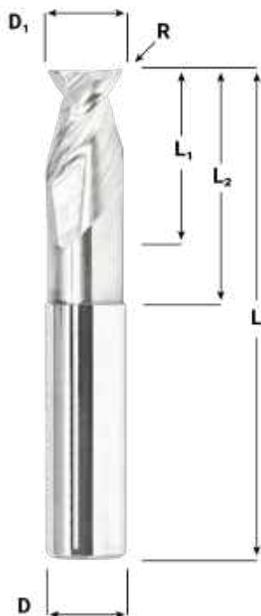
MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS



FEATURES/DESCRIPTION	APPLICATION	FEATURES																																							
<p>PERFORMANCE AL</p> <p>All-Terrain Aluminum Milling</p> <ul style="list-style-type: none"> Premium sub-micron grade carbide substrate for wear resistance For conventional or high speed machining of Aluminum Productivity and cost-efficiency Highly polished cutting face and flutes Stocked Bright or NF1 coating for Aluminum machining 		<table border="1"> <tr> <td>CARBIDE</td> <td>45°</td> </tr> <tr> <td>2FL</td> <td>Necked</td> </tr> <tr> <td>SQ</td> <td>RAD</td> </tr> <tr> <td>h6</td> <td>P195</td> </tr> <tr> <td>NF1</td> <td>Bright</td> </tr> </table>	CARBIDE	45°	2FL	Necked	SQ	RAD	h6	P195	NF1	Bright																													
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P1	P2	P3	M1	M2	K1	K2	N1	N2	S1	S2	H1	H2																													
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Series 2012 250 | 2FL | Reduced Neck | Square and Radius

Diameter(D ₁)	LOC(L ₁)	LBS(L ₂)	OAL(L)	Shank(D)	Radius(R)	Bright	NF1
1/8	1/4	-	1-1/2	1/8	-	313733	313736
1/8	1/4	-	3	1/8	-	313751	313755
1/8	1/4	1/2	1-1/2	1/8	-	313739	313743
1/8	1/4	1/2	1-1/2	1/8	0.020	-	313745
1/8	1/4	1/2	1-1/2	1/8	0.030	-	313749
1/8	1/4	1-3/8	3	1/8	-	313758	313761
1/8	1/4	1-3/8	3	1/8	0.020	-	313763
1/8	1/4	1-3/8	3	1/8	0.030	-	313766
3/16	5/16	-	2	3/16	-	313768	313771
3/16	5/16	-	3	3/16	-	313788	-
3/16	5/16	1/2	2	3/16	-	313773	313777
3/16	5/16	1/2	2	3/16	0.010	-	313781
3/16	5/16	1/2	2	3/16	0.030	-	313785
3/16	5/16	1-3/8	3	3/16	-	313792	313794
3/16	5/16	1-3/8	3	3/16	0.010	-	313797
3/16	5/16	1-3/8	3	3/16	0.030	-	313800
1/4	3/8	-	2-1/2	1/4	-	313802	313805
1/4	3/8	-	4	1/4	-	313822	313826
1/4	3/8	-	4	1/4	-	-	-
1/4	3/8	1-1/8	2-1/2	1/4	-	313808	-
1/4	3/8	1-1/8	2-1/2	1/4	0.015	-	313811
1/4	3/8	1-1/8	2-1/2	1/4	0.030	-	313813
1/4	3/8	1-1/8	2-1/2	1/4	0.060	-	313817
1/4	3/8	1-1/8	2-1/2	1/4	0.090	-	313819
1/4	3/8	2-1/8	4	1/4	-	313828	313831
1/4	3/8	2-1/8	4	1/4	-	-	-
1/4	3/8	2-1/8	4	1/4	0.015	-	313834
1/4	3/8	2-1/8	4	1/4	0.030	-	313836
1/4	3/8	2-1/8	4	1/4	0.060	-	313839
1/4	3/8	2-1/8	4	1/4	0.090	-	313843
1/4	3/4	2-1/8	4	1/4	0.015	-	313847
1/4	3/4	2-1/8	4	1/4	0.030	-	313851
1/4	3/4	2-1/8	4	1/4	0.060	-	313855
1/4	3/4	2-1/8	4	1/4	0.090	-	313858
5/16	7/16	-	2-1/2	5/16	-	313862	313864
5/16	7/16	-	4	5/16	-	313877	313879
5/16	7/16	1-1/8	2-1/2	5/16	-	313867	313869
5/16	7/16	1-1/8	2-1/2	5/16	0.015	-	313873
5/16	7/16	2-1/8	4	5/16	-	313882	313886
5/16	13/16	2-1/8	4	5/16	0.015	-	313888
3/8	1/2	-	2-1/2	3/8	-	313892	313894
3/8	1/2	-	4	3/8	-	313900	313904
3/8	1/2	1-1/8	2-1/2	3/8	-	313897	-
3/8	1/2	2-1/8	4	3/8	-	313907	313909
3/8	1/2	2-1/8	4	3/8	0.030	-	313913

*bold numbers are EDPs for ordering

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Series 2012 250 | 2FL | Reduced Neck | Square and Radius

Diameter(D ₁)	LOC(L ₁)	LBS(L ₂)	OAL(L)	Shank(D)	Radius(R)	Bright	NF1
1/2	5/8	-	3	1/2	-	313917	313920
1/2	5/8	-	4	1/2	-	313947	313949
1/2	5/8	1-3/8	3	1/2	-	313924	313927
1/2	5/8	1-3/8	3	1/2	0.015	-	313929
1/2	5/8	1-3/8	3	1/2	0.020	-	313932
1/2	5/8	1-3/8	3	1/2	0.030	-	313936
1/2	5/8	1-3/8	3	1/2	0.060	-	313938
1/2	5/8	1-3/8	3	1/2	0.090	-	313941
1/2	5/8	1-3/8	3	1/2	0.120	-	313943
1/2	5/8	2-3/8	4	1/2	-	313953	313957
1/2	5/8	2-3/8	4	1/2	0.015	-	313961
1/2	5/8	2-3/8	4	1/2	0.020	-	313963
1/2	5/8	2-3/8	4	1/2	0.030	-	313967
1/2	5/8	2-3/8	4	1/2	0.060	-	313969
1/2	5/8	2-3/8	4	1/2	0.090	-	313972
1/2	5/8	2-3/8	4	1/2	0.120	-	313974
1/2	5/8	3-3/8	6	1/2	0.015	-	313986
1/2	5/8	3-3/8	6	1/2	0.020	-	313989
1/2	5/8	3-3/8	6	1/2	0.030	-	313992
1/2	5/8	3-3/8	6	1/2	0.060	-	313994
1/2	5/8	3-3/8	6	1/2	0.090	-	313996
1/2	5/8	3-3/8	6	1/2	0.120	-	313999
1/2	1-1/4	3-3/8	6	1/2	0.015	-	314001
1/2	1-1/4	3-3/8	6	1/2	0.030	-	314004
1/2	1-1/4	3-3/8	6	1/2	0.060	-	314008
1/2	1-1/4	3-3/8	6	1/2	0.090	-	314010
1/2	1-1/4	3-3/8	6	1/2	0.120	-	314014
5/8	3/4	-	3-1/2	5/8	-	314017	314019
5/8	3/4	1-5/8	3-1/2	5/8	-	314022	314024
5/8	3/4	2-3/8	5	5/8	-	314032	314035
5/8	3/4	3-3/8	6	5/8	-	314043	314045
3/4	1	-	4	3/4	-	314049	314053
3/4	1	-	5	3/4	-	314077	314079
3/4	1	-	6	3/4	-	314101	314105
3/4	1	1-5/8	4	3/4	-	314057	314060
3/4	1	1-5/8	4	3/4	0.030	-	314064
3/4	1	1-5/8	4	3/4	0.060	-	314067
3/4	1	1-5/8	4	3/4	0.090	-	314071
3/4	1	1-5/8	4	3/4	0.120	-	314074
3/4	1	2-1/2	5	3/4	-	314082	314086
3/4	1	2-1/2	5	3/4	0.030	-	314088
3/4	1	2-1/2	5	3/4	0.060	-	314091
3/4	1	2-1/2	5	3/4	0.090	-	314095
3/4	1	2-1/2	5	3/4	0.120	-	314098
3/4	1	3-3/8	6	3/4	-	314109	314111
3/4	1	3-3/8	6	3/4	0.030	-	314114
3/4	1	3-3/8	6	3/4	0.060	-	314116
3/4	1	3-3/8	6	3/4	0.090	-	314119
3/4	1	3-3/8	6	3/4	0.120	-	314122
3/4	1-5/8	3-3/8	6	3/4	0.030	-	314126
3/4	1-5/8	3-3/8	6	3/4	0.060	-	314128
3/4	1-5/8	3-3/8	6	3/4	0.090	-	314130
3/4	1-5/8	3-3/8	6	3/4	0.120	-	314133
1	1-1/4	-	5	1	-	314136	314140
1	1-1/4	2-1/8	5	1	-	314142	314144
1	1-1/4	3-3/8	6	1	-	314153	314157
1	1-1/4	3-3/8	6	1	0.030	-	314161
1	1-1/4	3-3/8	6	1	0.060	-	314165
1	1-1/4	3-3/8	6	1	0.090	-	314167
1	1-1/4	3-3/8	6	1	0.120	-	314170
1	1-1/4	4-3/8	7	1	-	314179	314181
1	1-1/4	4-3/8	7	1	0.030	-	314184
1	1-1/4	4-3/8	7	1	0.060	-	314186
1	1-1/4	4-3/8	7	1	0.090	-	314190
1	1-1/4	4-3/8	7	1	0.120	-	314193
1	2	4-3/8	7	1	0.030	-	314197
1	2	4-3/8	7	1	0.060	-	314199
1	2	4-3/8	7	1	0.090	-	314202
1	2	4-3/8	7	1	0.120	-	314206

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INTRO

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INSERTS