



HIGH PERFORMANCE

Four Flute Carbide Roughing Mills – Fine Pitch



- Unique 4 flute design low profile edge geometry for chip evacuation and vibration reduction
- Offers exceptional performance in high temperature resistance in a wide range of ferrous materials, including cast iron, tool steels and low and medium alloy steels
- Optimal roughing tooth profile to reduce cutting forces
- Engineered tool geometry for high feed rate and light cutting in hard materials
- Alcrona coating offers high resistance to materials over 42 Rc, which can help increase speeds and feeds as well as tool life
- Talon coating is formulated for super alloys, such as nickel, inconel and waspaloy
- All Tools 1/2" & Under get a .020" x 45° Chamfer
- All Tools 5/8" & Over get a .030" x 45° Chamfer
- For Weldon Flat – Add W to the part number and add \$6.00 to cost

Cutting Diameter	Flute Length	Overall Length	Shank Diameter	Alcrona		Talon		AlTiN	
				Part No.	Cost	Part No.	Cost	Part No.	Cost
1/4"	3/8"	2.0"	1/4"	416166	\$61.53	417166	\$70.25	419166	\$58.02
1/4"	1/2"	2.5"	1/4"	416176	\$66.42	417176	\$74.05	419176	\$61.82
1/4"	3/4"	2.5"	1/4"	416186	\$67.20	417186	\$74.83	419186	\$62.60
1/4"	1.0"	3.0"	1/4"	416196	\$68.84	417196	\$76.47	419196	\$64.23
1/4"	1.5"	4.0"	1/4"	416206	\$75.47	417206	\$84.40	419206	\$70.04
3/8"	1/2"	2.0"	3/8"	416216	\$82.68	417216	\$90.39	419216	\$77.22
3/8"	3/4"	2.5"	3/8"	416226	\$86.92	417226	\$98.54	419226	\$80.33
3/8"	7/8"	2.5"	3/8"	416236	\$86.92	417236	\$98.54	419236	\$80.33
3/8"	1.0"	3.0"	3/8"	416246	\$89.66	417246	\$101.28	419246	\$83.07
3/8"	1.25"	3.0"	3/8"	416256	\$90.05	417256	\$101.67	419256	\$83.46
3/8"	1.5"	4.0"	3/8"	416266	\$93.82	417266	\$108.80	419266	\$85.41
1/2"	5/8"	2.5"	1/2"	416306	\$118.31	417306	\$133.12	419306	\$110.57
1/2"	1.0"	3.0"	1/2"	416316	\$121.59	417316	\$136.40	419316	\$113.84
1/2"	1.25"	3.0"	1/2"	416326	\$123.79	417326	\$138.59	419326	\$116.04
1/2"	1.625"	4.0"	1/2"	416336	\$131.92	417336	\$151.13	419336	\$121.80

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				Part No.	Cost	Part No.	Cost	Part No.	Cost
5/8"	3/4"	3.0"	5/8"	416346	\$224.86	417346	\$241.93	419346	\$215.87
5/8"	1.625"	3.5"	5/8"	416356	\$238.20	417356	\$259.58	419356	\$226.98
5/8"	2.0"	4.0"	5/8"	416366	\$257.62	417366	\$279.01	419366	\$246.40
3/4"	1.125"	3.0"	3/4"	416376	\$293.42	417376	\$313.89	419376	\$282.67
3/4"	1.625"	4.0"	3/4"	416386	\$310.34	417386	\$335.66	419386	\$297.06
3/4"	2.25"	5.0"	3/4"	416396	\$326.48	417396	\$357.50	419396	\$310.23
1.0"	1.25"	4.0"	1.0"	416406	\$511.08	417406	\$548.25	419406	\$491.52
1.0"	2.25"	5.0"	1.0"	416416	\$538.55	417416	\$581.26	419416	\$516.09

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