



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		AITIN	
				Part No.	Cost	Part No.	Cost	Part No.	Cost
1/4"	3/8"	2.0"	1/4"	416166	\$47.33	417166	\$54.04	419166	\$44.63
1/4"	1/2"	2.5"	1/4"	416176	\$51.09	417176	\$56.96	419176	\$47.55
1/4"	3/4"	2.5"	1/4"	416186	\$51.69	417186	\$57.56	419186	\$48.15
1/4"	1.0"	3.0"	1/4"	416196	\$52.95	417196	\$58.82	419196	\$49.41
1/4"	1.5"	4.0"	1/4"	416206	\$58.05	417206	\$64.92	419206	\$53.88
3/8"	1/2"	2.0"	3/8"	416216	\$63.60	417216	\$69.53	419216	\$59.40
3/8"	3/4"	2.5"	3/8"	416226	\$66.86	417226	\$75.80	419226	\$61.79
3/8"	7/8"	2.5"	3/8"	416236	\$66.86	417236	\$75.80	419236	\$61.79
3/8"	1.0"	3.0"	3/8"	416246	\$68.97	417246	\$77.91	419246	\$63.90
3/8"	1.25"	3.0"	3/8"	416256	\$69.27	417256	\$78.21	419256	\$64.20
3/8"	1.5"	4.0"	3/8"	416266	\$72.17	417266	\$83.69	419266	\$65.70
1/2"	5/8"	2.5"	1/2"	416306	\$91.01	417306	\$102.40	419306	\$85.05
1/2"	1.0"	3.0"	1/2"	416316	\$93.53	417316	\$104.92	419316	\$87.57
1/2"	1.25"	3.0"	1/2"	416326	\$95.22	417326	\$106.61	419326	\$89.26
1/2"	1.625"	4.0"	1/2"	416336	\$101.48	417336	\$116.25	419336	\$93.69



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Cutting Diameter	Flute Length	Overall Length	Shank Diameter	Alcra		Talon		AITiN	
				Part No.	Cost	Part No.	Cost	Part No.	Cost
5/8"	3/4"	3.0"	5/8"	416346	\$172.97	417346	\$186.10	419346	\$166.05
5/8"	1.625"	3.5"	5/8"	416356	\$183.23	417356	\$199.68	419356	\$174.60
5/8"	2.0"	4.0"	5/8"	416366	\$198.17	417366	\$214.62	419366	\$189.54
3/4"	1.125"	3.0"	3/4"	416376	\$225.71	417376	\$241.45	419376	\$217.44
3/4"	1.625"	4.0"	3/4"	416386	\$238.72	417386	\$258.20	419386	\$228.51
3/4"	2.25"	5.0"	3/4"	416396	\$251.14	417396	\$275.00	419396	\$238.64
1.0"	1.25"	4.0"	1.0"	416406	\$393.14	417406	\$421.73	419406	\$378.09
1.0"	2.25"	5.0"	1.0"	416416	\$414.27	417416	\$447.12	419416	\$396.99