

**FINE PITCH ROUGHER
4 FLUTE - STUB LENGTH - 30° HELIX**



**SERIES 203
UNCOATED**

DIA	SHANK	LOC	OAL	ITEM #	LIST PRICE
1/4	1/4	3/8	2	TC20316	46.43
5/16	5/16	1/2	2	TC20320	63.95
3/8	3/8	9/16	2	TC20324	74.59
1/2	1/2	5/8	2-1/2	TC20332	95.04
5/8	5/8	3/4	3	TC20340	201.43
3/4	3/4	1	3	TC20348	246.36



**SERIES 293
ALTiN COATED**

DIA	SHANK	LOC	OAL	ITEM #	LIST PRICE
1/4	1/4	3/8	2	TC29316	56.93
5/16	5/16	1/2	2	TC29320	79.95
3/8	3/8	9/16	2	TC29324	93.25
1/2	1/2	5/8	2-1/2	TC29332	116.54
5/8	5/8	3/4	3	TC29340	251.78
3/4	3/4	1	3	TC29348	302.17



"Order today, we'll ship today" Same day shipping until 6pm EST

Our fine pitch rougher is designed to remove maximum material with minimum vibration or chatter, while milling faster than conventional finishing end mills. Excellent for:

HARDENED STEELS • TITANIUM • INCONEL • SPACE AGE MATERIALS

For coating information see page 6. For technical information, please see page 225.

TOLERANCES	DIAMETER	SHANK
1/4" - 1/2"	+0.000, -0.002	+0.001, -0.004 ISO H8
5/8" - 3/4"	+0.000, -0.003	+0.001, -0.004 ISO H8