

## Roughers

Cobalt M42 – Coarse Pitch – Center Cut – Weldon Shanks

Long Length – Uncoated & TiAlN Coated



Cutter Diameter (Inch)	Shank Diameter (Inch)	Length of Cut (Inch)	Overall Length (Inch)	No. of Flutes	Cobalt	TiAlN Coated
					Code	Code
1/2	1/2	2	4	4	930880	930881
5/8	5/8	2-1/2	4-5/8	4	930885	930886
3/4	3/4	3	5-1/4	4	930890	930892
7/8	3/4	3-1/2	5-5/8	5	930891	930893
1	1	4	6-1/2	5	930895	930896

## Roughers



Regular Length – Fine & Coarse Pitch – Center Cut – Weldon Shanks – PMX-TiAlN Coated



Cutter Diameter (Inch)	Shank Diameter (Inch)	Length of Cut (Inch)	Overall Length (Inch)	No. of Flutes	PMX-TiAlN Coarse Pitch	PMX-TiAlN Fine Pitch
					Code	Code
1/4	3/8	5/8	2-7/16	3	931065	931025
5/16	3/8	3/4	2-1/2	3	931070	931030
3/8	3/8	3/4	2-1/2	4	931075	931035
1/2	1/2	1-1/4	3-1/4	4	931080	931040
5/8	5/8	1-5/8	3-3/4	4	931085	931045
3/4	3/4	1-5/8	3-3/4	4	931090	931050
1	1	2	4-1/2	5	931095	931055
1-1/4	1-1/4	2	4-1/2	6	931100	931060

PMX = Powdered Metal