

ROUGHING END MILLS COARSE PITCH HSCO ROUGHERS



Weldon



Combination Shank



Multiple Flute: This general purpose rougher is designed for high production metal removal in a wide range of work piece material. It is recommended for cutting steel grades and many non-ferrous materials. The end tooth of this tool has a centre hole design for many accurate resharpenings.

- Coarse pitch

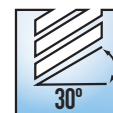
REGULAR LENGTH HSCO ROUGHING END MILLS

Cutting Diameter	Shank Diameter	Flute Length	Overall Length	No. Flutes	Comb. Shank		Weldon Flat		TiAIN Coated	
					Code No.	Price \$	Code No.	Price \$	Code No.	Price \$
1/4	3/8	5/8	2-7/16	3	103-950	26.70	103-900	24.90	104-500	34.80
5/16	3/8	3/4	2-1/2	3	103-951	26.70	103-901	24.90	104-501	34.80
3/8	3/8	3/4	2-1/2	4	103-952	26.70	103-902	24.90	104-502	37.60
1/2	1/2	1-1/4	3-1/4	4	103-953	36.70	103-903	34.30	104-503	52.00
5/8	5/8	1-5/8	3-3/4	4	103-954	47.90	103-904	44.70	104-504	61.40
3/4	5/8	1-5/8	3-3/4	4	103-955	54.50	103-905	50.90	104-505	83.70
3/4	3/4	1-5/8	3-3/4	4	103-956	54.50	103-906	50.90	104-506	75.30
7/8	3/4	1-7/8	4-1/8	5	103-957	72.90	103-907	68.10	104-507	108.50
1	1	2	4-1/2	5	103-958	79.10	103-908	75.50	104-508	119.40
1-1/8	1	2	4-1/2	6	103-959	99.40	103-909	92.80	104-509	136.20
1-1/4	1-1/4	2	4-1/2	6	103-960	129.10	103-910	120.50	104-510	185.80
1-1/2	1-1/4	2	4-1/2	6	103-961	154.10	103-911	143.80	104-511	220.70
1-3/4	1-1/4	2	4-1/2	6	103-962	174.10	103-912	162.60		
2	2	2	5-3/4	8			103-913	310.50		
2	2	3	6-3/4	8			103-914	333.40		
2	2	4	7-3/4	8			103-915	367.80		



MEDIUM LENGTH HSCO ROUGHING END MILLS

Cutting Diameter	Shank Diameter	Flute Length	Overall Length	No. Flutes	Comb. Shank		Weldon Flat	
					Code No.	Price \$	Code No.	Price \$
1	1	3	5-1/2	5	103-966	89.40	103-916	83.40
1-1/4	1-1/4	3	5-1/2	6	103-967	144.30	103-917	134.70
1-1/2	1-1/4	3	5-1/2	6	103-968	174.30	103-918	162.80
2	2	6	9-3/4	8			103-919	410.50



LONG LENGTH HSCO ROUGHING END MILLS

Cutting Diameter	Shank Diameter	Flute Length	Overall Length	No. Flutes	Comb. Shank		Weldon Flat	
					Code No.	Price \$	Code No.	Price \$
3/8	3/8	1-1/2	4	4	-	-	103-932	36.00
1/2	1/2	2	4	4	103-970	49.00	103-920	44.70
5/8	5/8	2-1/2	4-5/8	4	103-971	58.10	103-921	54.20
3/4	5/8	3	5-1/8	4	103-972	62.60	103-922	58.50
3/4	3/4	3	5-1/4	4	103-973	62.60	103-923	58.50
7/8	3/4	3-1/2	5-3/4	5	103-974	76.00	103-924	70.90
1	1	4	6-1/2	5	103-975	97.50	103-925	90.90
1-1/4	1-1/4	4	6-1/2	6	103-976	155.10	103-926	144.80
1-1/2	1-1/4	4	6-1/2	6	103-977	184.20	103-927	172.00
1-3/4	1-1/4	4	6-1/2	6	103-978	218.70	103-928	218.40
2	2	8	11-3/4	8	-	-	103-929	561.30