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COBALT ROUGHING ENDMILLS

					Unocated			TiAlN		
								Coated		
DIA.	SHK	LOC	OAL	# FLUTES	EDP #	PRICE	EDP #	PRICE		
1/4	3/8	5/8	2 7/16	3	60297	\$ 14.43	60297CF	21.48		
5/16	3/8	3/4	2 1/2	3	60301	\$ 14.43	60301CF	21.48		
3/8	3/8	3/4	2 1/2	4	60305	\$ 14.43	60305CF	21.48		
7/16	3/8	1	2 11/16	4	60312	\$ 20.12	60312CF	27.15		
1/2	1/2	1 1/4	3 1/4	4	60321	\$ 20.12	60321CF	31.26		
1/2	1/2	2	4	4	62321	\$ 25.88	62321CF	37.00		
9/16	1/2	1 3/8	3 3/8	4	60328	\$ 24.53	60328CF	35.66		
5/8	5/8	1 5/8	3 3/4	4	60337	\$ 24.53	60337CF	37.10		
5/8	5/8	2 1/2	4 5/8	4	62337	\$ 35.41	62337CF	51.05		
11/16	5/8	1 5/8	3 3/4	4	60348	\$ 30.50	60348CF	43.06		
3/4	5/8	3	5 1/8	4	62358	\$ 38.13	62358CF	47.68		
3/4	3/4	1 5/8	3 3/4	4	60359	\$ 30.50	60359CF	45.25		
3/4	3/4	3	5 1/4	4	62359	\$ 38.13	62359CF	59.50		
13/16	3/4	1 7/8	4 1/8	4	60375	\$ 39.23	60375CF	57.26		
7/8	3/4	1 7/8	4 1/8	5	60391	\$ 39.23	60391CF	57.26		
7/8	3/4	3 1/2	5 3/4	5	62391	\$ 46.32	62391CF	67.69		
15/16	7/8	1 7/8	4 1/8	5	60409	\$ 44.13	60409CF	69.02		
1	3/4	2	4 1/4	5	60422	\$ 44.13	60422CF	69.02		
1	3/4	4	6 1/4	5	62422	\$ 59.41	62422CF	90.44		
1	1	2	4 1/2	5	60426	\$ 44.13	60426CF	69.02		
1	1	3	5 1/2	5	61426	\$ 54.49	61426CF	82.77		
1	1	4	6 1/2	5	62426	\$ 63.33	62426CF	94.38		
1 1/8	3/4	2	4 1/4	6	60431	\$ 58.26	60431CF	89.08		
1 1/8	1	2	4 1/2	6	60435	\$ 58.26	60435CF	89.10		
1 1/4	3/4	2	4 1/4	6	60439	\$ 67.44	60439CF	98.26		
1 1/4	3/4	4	6 1/4	6	62439	\$ 90.99	62439CF	129.81		
1 1/4	1 1/4	2	4 1/2	6	60445	\$ 67.44	60445CF	98.26		
1 1/4	1 1/4	3	5 1/2	6	61445	\$ 81.70	61445CF	116.51		
1 1/4	1 1/4	4	6 1/2	6	62445	\$ 90.99	62445CF	129.81		
1 3/8	3/4	2	4 1/4	6	60449	\$ 80.93	60449CF	129.44		
1 1/2	3/4	2	4 1/4	6	60457	\$ 90.32	60457CF	115.09		
1 1/2	3/4	4	6 1/4	6	62457	\$ 108.01	62457CF	132.78		
1 1/2	1 1/4	2	4 1/2	6	60461	\$ 90.32	60461CF	138.86		
1 1/2	1 1/4	3	5 1/2	6	61461	\$ 94.26	61461CF	148.95		
1 1/2	1 1/4	4	6 1/2	6	62461	\$ 108.01	62461CF	168.96		
1 3/4	3/4	2	4 1/4	6	60467	\$ 111.87	60467CF	143.16		
1 3/4	1 1/4	2	4 1/2	6	60469	\$ 111.87	60469CF	143.16		
1 3/4	1 1/4	4	6 1/2	6	62469	\$ 141.27	62469CF	202.24		
2	3/4	2	4 1/4	6	60475	\$ 131.00	60475CF	162.29		
2	1 1/4	2	4 1/2	6	60477	\$ 131.00	60477CF	179.51		
2	1-1/4	4	6 1/2	6	62477	\$ 167.14	62477CF	228.09		
2	2	2	5 3/4	8	60480	\$ 195.07	60480CF	131.00		
2	2	3	6 3/4	8	60482	\$ 209.49	60482CF	293.84		
2	2	4	7 3/4	8	60484	\$ 231.10	60484CF	327.90		
2	2	6	9 3/4	8	61488	\$ 257.92	61488CF	379.28		
2	2	8	11 3/4	8	62490	\$ 352.86	62490CF	511.09		



Up to 1"	Over 1"
+ .0030	+ .0060
- .0000	- .0000

► 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 center hole design for many accurate resharpenings between centers.