



# Roughing Cut

Cobalt High Speed Steel

## List 450

OSG COBALT HSS EX-REEF

<b>SPEED FEED</b> 1419	<b>HSS-Co</b>	<b>BR</b>	<b>TiCN</b>	<b>FINE ROUGH</b>	<b>30°</b>		<b>WELDON FLAT</b>	<b>STUB</b>	<b>REG</b>	<b>LONG</b>	<b>EXTRA LONG</b>	<b>PACKED</b> 1 PIECE
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EDP Number	Dia.	Length of Cut		Overall Length	Shank Dia.	No. of Flutes	Surface Treatment
		D (Fractional Size)	Lc (Inch)				
4509000	●	3/16	0.500	2.375	0.375	4	BRIGHT
4509100	●	1/4	0.750	2.500	0.375	3	BRIGHT
4509200	●	1/4	1.250	3.063	0.375	3	BRIGHT
4509400	●	5/16	0.750	2.500	0.375	3	BRIGHT
4509500	●	5/16	1.375	3.125	0.375	3	BRIGHT
4509700	●	3/8	0.875	2.625	0.375	4	BRIGHT
4509800	●	3/8	1.500	3.250	0.375	4	BRIGHT
4509900	●	7/16	1.000	2.688	0.375	4	BRIGHT
4500000	●	7/16	1.250	3.250	0.500	4	BRIGHT
4500100	●	1/2	1.250	3.250	0.500	4	BRIGHT
4500300	●	1/2	2.000	4.000	0.500	4	BRIGHT
4500500	●	5/8	1.625	3.750	0.625	4	BRIGHT
4500508	●	5/8	1.625	3.750	0.625	4	TiCN
4500700	●	5/8	2.500	4.625	0.625	4	BRIGHT
4500708	●	5/8	2.500	4.625	0.625	4	BRIGHT
4500800	●	5/8	3.000	5.125	0.625	4	BRIGHT
4500808	●	5/8	3.000	5.125	0.625	4	TiCN
4500900	●	3/4	1.625	3.875	0.625	4	BRIGHT
4501300	●	3/4	1.625	3.875	0.750	4	BRIGHT
4501000	●	3/4	2.250	4.500	0.750	4	BRIGHT
4501008	●	3/4	2.250	4.500	0.750	4	TiCN
4501100	●	3/4	3.000	5.250	0.625	4	BRIGHT
4501500	●	3/4	3.000	5.250	0.750	4	BRIGHT
4501600	●	3/4	4.000	6.250	0.750	4	BRIGHT
4501700	●	7/8	1.875	4.125	0.750	5	BRIGHT
4502100	●	7/8	1.875	4.125	0.875	5	BRIGHT

EDP Number	Dia.	Length of Cut		Overall Length	Shank Dia.	No. of Flutes	Surface Treatment
		D (Fractional Size)	Lc (Inch)				
4501900	●	7/8	3.500	5.750	0.750	5	BRIGHT
4502300	●	7/8	3.500	5.750	0.875	5	BRIGHT
4510100	●	1	2.000	4.250	0.750	5	BRIGHT
4510500	●	1	2.000	4.500	1.000	5	BRIGHT
4510700	●	1	3.000	5.500	1.000	5	BRIGHT
4510900	●	1	4.000	6.500	1.000	5	BRIGHT
4510908	●	1	4.000	6.500	1.000	5	TiCN
4511500	●	1-1/8	2.000	4.500	1.000	5	BRIGHT
4512100	●	1-1/4	2.000	4.500	1.250	6	BRIGHT
4512300	●	1-1/4	3.000	5.500	1.250	6	BRIGHT
4511900	●	1-1/4	4.000	6.250	0.750	6	BRIGHT
4512500	●	1-1/4	4.000	6.500	1.250	6	BRIGHT
4513300	●	1-1/2	2.000	4.500	1.250	6	BRIGHT
4513308	●	1-1/2	2.000	4.500	1.250	6	TiCN
4513500	●	1-1/2	3.000	5.500	1.250	6	BRIGHT
4513100	●	1-1/2	4.000	6.250	0.750	6	BRIGHT
4513700	●	1-1/2	4.000	6.500	1.250	6	BRIGHT
4513900	●	1-1/2	5.000	7.500	1.250	6	BRIGHT
4514500	●	1-3/4	4.000	6.500	1.250	6	BRIGHT
4520100	●	2	2.000	4.500	1.250	8	BRIGHT
4520700	●	2	3.000	6.750	2.000	8	BRIGHT
4520500	●	2	4.000	6.500	1.250	8	BRIGHT
4520900	●	2	4.000	7.750	2.000	8	BRIGHT
4521100	●	2	6.000	9.750	2.000	8	BRIGHT
4521300	●	2	8.000	11.750	2.000	8	BRIGHT

● Stocked ○ Available Upon Request; MOQ May Apply  
▲ Globally Stocked

Note: Other coatings available upon request.  
2" diameter shanks have combination drive.

STE

● Stocked ○ Available Upon Request; MOQ May Apply

▲ Globally Stocked

Note: Other coatings available upon request.  
2" diameter shanks have combination drive.

STE

P					M			K	N		S		H				
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel				
Carbon Steel			Alloy Steel	Die Steel					Aluminum		Nickel Alloy	Titanium					
Low	Medium	High			300	400	17-4 PH		6061 7075	Casting			Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

○ Good ⊙ Best

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