



Style: HGC-4C - Single End

Finisher

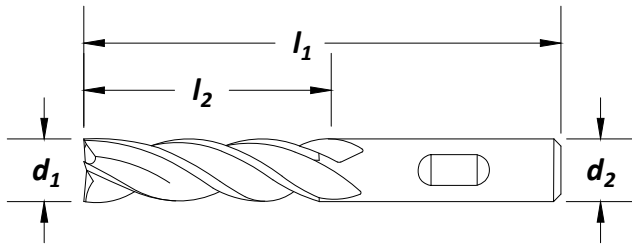
Note
Operating parameters begin on page 310.

ANSI SIZES

M42 Cobalt



Surface Treatment



Feature:

High red hardness for high heat conditions. Heavy cross-section for high rigidity.

cutting diameter	decimal equiv.	shank dia d ₂ (in)	length of cut l ₂ (in)	overall length l ₁ (in)	no. of flutes	order number		
						Bright	HGC-4C TiN	TiCN
1/8	.1250	.375	.375	2.313	4	C42684	C32574	C32610
5/32	.1562	.375	.500	2.375	4	C32556	C32575	C32611
11/64	.1719	.375	.500	2.375	4	C32557	C32576	C32612
3/16	.1875	.375	.500	2.375	4	C42686	C32577	C32613
13/64	.2031	.375	.625	2.438	4	C32558	C32578	C32614
7/32	.2188	.375	.625	2.438	4	C32559	C32579	C32615
15/64	.2344	.375	.625	2.438	4	C32560	C32580	C32616
1/4	.2500	.375	.625	2.438	4	C42689	C32581	C32617
1/4	.2500	.375	1.250	3.063	4	C32646	C32655	C32673
1/4	.2500	.375	1.750	3.563	4	C32691	C32700	C32718
17/64	.2656	.375	.750	2.500	4	C32561	C32582	C32618
9/32	.2812	.375	.750	2.500	4	C32562	C32583	C32619
9/32	.2812	.375	1.375	3.125	4	C32647	C32656	C32674
9/32	.2812	.375	2.000	3.750	4	C32692	C32701	C32719
19/64	.2969	.375	.750	2.500	4	C32563	C32584	C32620
5/16	.3125	.375	.750	2.500	4	C42691	C32585	C32621
5/16	.3125	.375	1.375	3.125	4	C32648	C32657	C32675
5/16	.3125	.375	2.000	3.750	4	C32693	C32702	C32720
21/64	.3281	.375	.750	2.500	4	C32564	C32586	C32622
11/32	.3438	.375	.750	2.500	4	C32565	C32587	C32623
11/32	.3438	.375	1.500	3.250	4	C32649	C32658	C32676
11/32	.3438	.375	2.500	4.250	4	C32694	C32703	C32721
23/64	.3594	.375	.750	2.500	4	C32566	C32588	C32624
3/8	.3750	.375	.750	2.500	4	C42694	C32589	C32625
3/8	.3750	.375	1.500	3.250	4	C42857	C32659	C32677
3/8	.3750	.375	2.500	4.250	4	C42913	C32704	C32722
25/64	.3906	.375	1.000	2.688	4	C32567	C32590	C32626
13/32	.4062	.375	1.000	2.688	4	C32568	C32591	C32627
13/32	.4062	.375	1.750	3.750	4	C32650	C32660	C32678
13/32	.4062	.375	2.750	4.500	4	C32695	C32705	C32723
27/64	.4219	.375	1.000	2.688	4	C32569	C32592	C32628

continued on next page

Material Reference	Steel (HRC)				Stainless Steel			Cast Iron (HRC)		Aluminum and Non-Ferrous	Hi-Temp Alloy		Hardened Steel (HRC)
	Low Carbon		Alloy		Austenitic	Martensitic	PH	Gray	Nodular		Ni, Co, Fe Based Super Alloy	Titanium	
	Hardness	13-38	>38	16-38	> 38	300 Series	400 series		18-22	22-32			>45
TiN	◆		◆		◆	◆							
TiCN	☆		☆		☆	☆	◆				◆	◆	

☆ = Best Performance ◆ = Acceptable



Cobalt

Center Cutting

cutting diameter d ₁	decimal equiv.	shank dia d ₂ (in)	length of cut l ₂ (in)	overall length l ₁ (in)	no. of flutes	order number HGC-4C		
						Bright	TiN	TiCN
7/16	.4375	.375	1.000	2.688	4	C32570	C32593	C32629
7/16	.4375	.375	1.750	3.750	4	C32651	C32661	C32679
7/16	.4375	.375	2.750	4.500	4	C32696	C32706	C32724
29/64	.4531	.500	1.250	3.250	4	C32571	C32594	C32630
15/32	.4688	.500	1.250	3.250	4	C32572	C32595	C32631
15/32	.4688	.500	2.000	4.000	4	C32652	C32662	C32680
15/32	.4688	.500	3.000	5.000	4	C32697	C32707	C32725
31/64	.4844	.500	1.250	3.250	4	C32573	C32596	C32632
1/2	.5000	.500	1.250	3.250	4	C42699	C32597	C32633
1/2	.5000	.500	1.250	3.250	6	C42698	C32598	C32634
1/2	.5000	.500	2.000	4.000	4	C42861	C32663	C32681
1/2	.5000	.500	3.000	5.000	4	C42917	C32708	C32726
5/8	.6250	.625	1.625	3.750	4	C42703	C32599	C32635
5/8	.6250	.625	1.625	3.750	6	C42702	C32600	C32636
5/8	.6250	.625	2.500	4.625	4	C42864	C32664	C32682
5/8	.6250	.625	4.000	6.125	4	C42920	C32709	C32727
3/4	.7500	.750	1.625	3.875	4	C42707	C32601	C32637
3/4	.7500	.750	1.625	3.875	6	C42706	C32602	C32638
3/4	.7500	.750	3.000	5.250	4	C42868	C32665	C32683
3/4	.7500	.750	3.000	5.250	6	C42867	C32666	C32684
3/4	.7500	.750	4.000	6.250	4	C42924	C32710	C32728
3/4	.7500	.750	4.000	6.250	6	C42923	C32711	C32729
7/8	.8750	.875	3.500	5.750	4	C32653	C32667	C32685
7/8	.8750	.875	3.500	5.750	6	C32654	C32668	C32686
1	1.0000	1.000	2.000	4.500	4	C42715	C32603	C32639
1	1.0000	1.000	2.000	4.500	6	C42714	C32604	C32640
1	1.0000	1.000	4.000	6.500	4	C42876	C32669	C32687
1	1.0000	1.000	4.000	6.500	6	C42875	C32670	C32688
1	1.0000	1.000	6.000	8.500	4	C42932	C32712	C32730
1	1.0000	1.000	6.000	8.500	6	C42931	C32713	C32731
1-1/4	1.2500	1.250	2.000	4.500	4	C42720	C32605	C32641
1-1/4	1.2500	1.250	2.000	4.500	6	C42719	C32606	C32642
1-1/4	1.2500	1.250	4.000	6.500	4	C42881	C32671	C32689
1-1/4	1.2500	1.250	4.000	6.500	6	C42880	C32672	C32690
1-1/4	1.2500	1.250	6.000	8.500	4	C42937	C32714	C32732
1-1/4	1.2500	1.250	6.000	8.500	6	C42936	C32715	C32733
1-1/2	1.5000	1.250	2.000	4.500	4	C42727	C32607	C32643
1-1/2	1.5000	1.250	2.000	4.500	6	C42726	C32608	C32644
1-1/2	1.5000	1.250	8.000	10.500	4	C32698	C32716	C32734
1-1/2	1.5000	1.250	8.000	10.500	6	C32699	C32717	C32735
2	2.0000	2.000	4.000	7.750	6	C42731	C32609	C32645

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Center Cutting

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TiCN	☆		☆		☆	☆	◆				◆	◆	

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