



Style: HG-4B - Single End

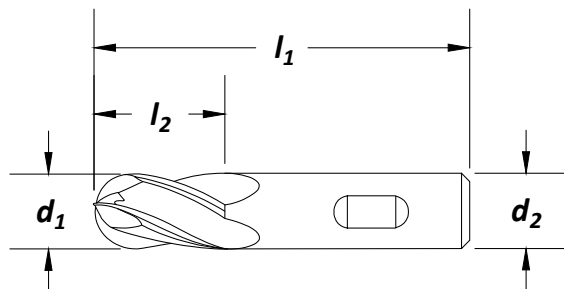
General Purpose

ANSI SIZES

HSS



Surface Treatment



Feature:

Heavy cross-section for high rigidity.

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		
						Bright	HG-4B TiN	TiCN
1/4	.2500	.375	.625	2.438	4	C33301	C33303	C33313
1/4	.2500	.375	1.250	3.063	4	C33323	C33326	C33335
1/4	.2500	.375	1.750	3.563	4	C33344	C33353	C33362
5/16	.3125	.375	.750	2.500	4	C33302	C33304	C33314
5/16	.3125	.375	1.375	3.125	4	C33324	C33327	C33336
5/16	.3125	.375	2.000	3.750	4	C33345	C33354	C33363
3/8	.3750	.375	.750	2.500	4	C41289	C33305	C33315
3/8	.3750	.375	1.500	3.250	4	C33325	C33328	C33337
3/8	.3750	.375	2.500	4.250	4	C33346	C33355	C33364
1/2	.5000	.500	1.000	3.000	4	C75114	C75115	C75116
1/2	.5000	.500	1.250	3.250	4	C41293	C33306	C33316
1/2	.5000	.500	2.000	4.000	4	C41358	C33329	C33338
1/2	.5000	.500	3.000	5.000	4	C33347	C33356	C33365
5/8	.6250	.625	1.625	3.750	4	C41297	C33307	C33317
5/8	.6250	.625	2.500	4.625	4	C41361	C33330	C33339
5/8	.6250	.625	4.000	6.125	4	C33348	C33357	C33366
3/4	.7500	.750	1.625	3.875	4	C41300	C33308	C33318
3/4	.7500	.750	3.000	5.250	4	C41364	C33331	C33340
3/4	.7500	.750	4.000	6.250	4	C33349	C33358	C33367
7/8	.8750	.875	1.875	4.125	4	C41304	C33309	C33319
1	1.0000	1.000	2.000	4.500	4	C41308	C33310	C33320
1	1.0000	1.000	4.000	6.500	4	C41371	C33332	C33341
1	1.0000	1.000	6.000	8.500	4	C33350	C33359	C33368
1-1/4	1.2500	1.250	2.000	4.500	4	C41312	C33311	C33321
1-1/4	1.2500	1.250	4.000	6.500	4	C41375	C33333	C33342
1-1/2	1.5000	1.250	4.000	6.500	4	C41377	C33334	C33343

High Speed Steel

Center Cutting

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

