

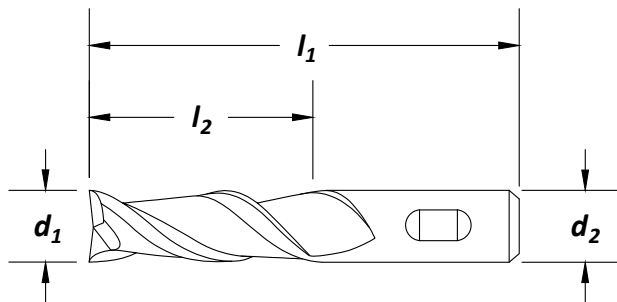
Style: HGA-2 - Single End

ANSI SIZES

HSS



Surface Treatment



High Speed Steel

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		
						Bright	HGA-2 TiN	TiCN
1/4	.2500	.375	.625	2.437	2	C41843	C33476	C33488
1/4	.2500	.375	1.250	3.063	2	C41888	C33500	C33511
1/4	.2500	.375	1.750	3.563	2	C41930	C33524	C33535
5/16	.3125	.375	.750	2.500	2	C41845	—	C33489
5/16	.3125	.375	1.375	3.125	2	C41890	—	C33512
5/16	.3125	.375	2.000	3.750	2	C41932	C33525	C33536
3/8	.3750	.375	.750	2.500	2	C41848	C33478	C33490
3/8	.3750	.375	1.500	3.250	2	C41893	C33502	C33513
3/8	.3750	.375	2.500	4.250	2	C41935	C33526	C33537
7/16	.4375	.375	1.000	2.688	2	C41851	—	C33491
7/16	.4375	.500	1.750	3.750	2	C41896	—	C33514
7/16	.4375	.375	2.750	4.500	2	C33522	—	C33538
1/2	.5000	.500	1.250	3.250	2	C41853	C33480	C33492
1/2	.5000	.500	2.000	4.000	2	C41898	C33504	C33515
1/2	.5000	.500	3.000	5.000	2	C41939	C33528	C33539
5/8	.6250	.625	1.625	3.750	2	C41856	—	C33493
5/8	.6250	.625	2.500	4.625	2	C41901	—	C33516
5/8	.6250	.625	4.000	6.125	2	C41942	—	C33540
3/4	.7500	.750	1.625	3.875	2	C41859	—	C33494
3/4	.7500	.750	3.000	5.250	2	C41904	C33506	C33517
3/4	.7500	.750	4.000	6.250	2	C41945	C33530	C33541
7/8	.8750	.875	1.875	4.125	2	C41863	—	C33495
7/8	.8750	.875	3.500	5.750	2	C32066	—	C33518
7/8	.8750	.875	5.000	7.250	2	C33523	—	C33542
1	1.0000	1.000	2.000	4.500	2	C41867	—	C33496
1	1.0000	1.000	4.000	6.500	2	C41911	—	C33519
1	1.0000	1.000	6.000	8.500	2	C41952	—	C33543

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