

Note
Pilots listed on page 114.

ANSI SIZES

HSS

RH Spiral Flute

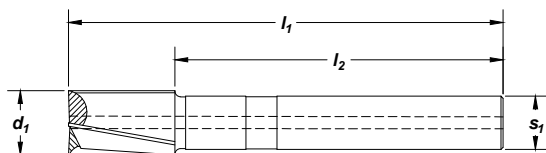
Straight Shank

Surface Treatment

Bright

Counterbore

High Speed Steel



counterbore diameter		pilot shank sizes		shank length	overall length	shank diameter	pilot size range	no. of flutes	order no.
d ₁				I ₂ (in)	I ₁ (in)	S ₁ (in)			879
fraction	in	fraction	in						
3/16	.1875	3/32	.0938	2.125	3.000	.234	1/8 - 3/16	3	C46421
7/32	.2188	3/32	.0938	2.125	3.000	.234	1/8 - 7/32	3	C46422
1/4	.2500	3/32	.0938	3.063	3.813	.234	1/8 - 3/16	3	C46423
9/32	.2812	3/32	.0938	3.063	3.813	.266	1/8 - 7/32	3	C46424
5/16	.3125	3/32	.0938	3.063	3.813	.297	1/8 - 1/4	3	C46425
11/32	.3438	3/32	.0938	3.063	3.813	.313	1/8 - 9/32	3	C46426
3/8	.3750	5/32	.1562	3.063	4.063	.313	3/16 - 5/16	3	C46427
13/32	.4062	5/32	.1562	3.063	4.063	.375	3/16 - 11/32	3	C46428
7/16	.4375	5/32	.1562	3.063	4.063	.375	3/16 - 3/8	3	C46429
15/32	.4688	3/16	.1875	3.063	4.313	.438	1/4 - 13/32	3	C46430
1/2	.5000	3/16	.1875	3.063	4.313	.438	1/4 - 7/16	3	C46431
17/32	.5312	3/16	.1875	3.063	4.313	.500	1/4 - 15/32	3	C46432
9/16	.5625	3/16	.1875	3.063	4.313	.500	1/4 - 1/2	3	C46433
19/32	.5938	3/16	.1875	3.875	5.125	.500	1/4 - 17/32	3	C46434
5/8	.6250	3/16	.1875	3.875	5.125	.500	1/4 - 9/16	3	C46435
21/32	.6562	3/16	.1875	3.875	5.125	.500	1/4 - 19/32	3	C46436
11/16	.6875	3/16	.1875	3.875	5.125	.500	1/4 - 5/8	3	C46437
23/32	.7188	1/4	.2500	3.875	5.375	.500	5/16 - 21/32	3	C46438
3/4	.7500	1/4	.2500	3.875	5.375	.500	5/16 - 11/16	3	C46439
25/32	.7812	1/4	.2500	3.875	5.375	.625	5/16 - 23/32	3	C46440
13/16	.8125	1/4	.2500	3.875	5.375	.625	5/16 - 3/4	3	C46441
7/8	.8750	1/4	.2500	3.875	5.375	.750	5/16 - 13/16	3	C46443
15/16	.9375	1/4	.2500	4.625	6.125	.750	5/16 - 7/8	3	C46445
1	1.0000	5/16	.3125	4.625	6.375	.750	3/8 - 15/16	3	C46447
1-1/16	1.0625	5/16	.3125	4.625	6.375	.750	3/8 - 1	3	C46448
1-1/8	1.1250	5/16	.3125	4.625	6.375	1.000	3/8 - 1-1/16	3	C46449

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
Bright	☆		☆					☆	☆	☆			

☆ = Best Performance ◆ = Acceptable