



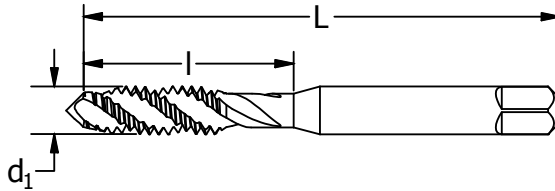
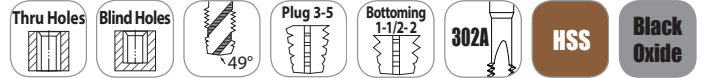
Spiral Flute Taps for Blind Holes

Style: **SFHD**

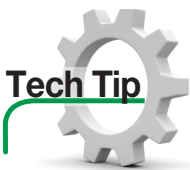
Spiral Flute
CNC Heavy-Duty



Note
Tapping speeds - see
page 39-41.



diameter & pitch	thread form	d ₁ in	number of flutes	H-limit	L in	I in	order number	
							plug Black Oxide	bottoming Black Oxide
6-32	UNC	.1380	3	H3	2.000	.688	281957	282005
8-32	UNC	.1640	3	H3	2.125	.750	282054	282104
10-24	UNC	.1900	3	H3	2.375	.875	282062	282120
10-32	UNF	.1900	3	H3	2.375	.875	282153	282203
1/4-20	UNC	.2500	3	H3	2.500	1.000	282252	282302
1/4-28	UNF	.2500	3	H3	2.500	1.000	282351	282401
5/16-18	UNC	.3125	3	H3	2.719	1.125	282450	282501
5/16-24	UNF	.3125	3	H3	2.719	1.125	282468	282526
3/8-16	UNC	.3750	3	H3	2.938	1.250	282559	282609
3/8-24	UNF	.3750	3	H3	2.938	1.250	282567	282625
1/2-13	UNC	.5000	3	H3	3.375	1.656	282757	282807
1/2-20	UNF	.5000	3	H3	3.375	1.656	282765	282823



Tech Tip

Ground Thread Tap Limits

All standard ground thread taps made to USCTI Tables 327 and 329 will be marked **G** to designate ground thread. **G** will be followed by **H** to designate above basic or **L** for below basic and a numeral to designate the pitch diameter limits. For example: **G H3** indicates a ground thread tap with pitch diameter limits .0010" to .0015" over basic. See table at right.

For taps over 1-1/2" diameter with H or L limit numbers, divide the H or L limit number by 2 to get the amount (in thousandths of an inch) the maximum tap pitch diameter is over basic for the H series or under basic for the L series. In H series taps, the tolerance shown in USCTI Table 331, Column D, subtracted from the maximum pitch diameter will give the minimum pitch diameter. In L series taps the tolerance shown in Table 331, Column D, added to the minimum pitch diameter will give the maximum pitch diameter. These taps will be marked with the appropriate H or L limit number.

Pitch Diameter Limits

for taps through 1" diameter

- L1 = basic to basic - .0005
- H1 = basic to basic + .0005
- H2 = basic + .0005 to basic + .0010
- H3 = basic + .0010 to basic + .0015
- H4 = basic + .0015 to basic + .0020
- H5 = basic + .0020 to basic + .0025
- H6 = basic + .0025 to basic + .0030

for taps over 1" diameter through 1-1/2" diameter

- H4 = basic + .0010 to basic + .0020

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