

# Threading & Tapping

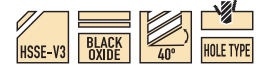
## Yellow Ring HSSE-V3 Spiral Flute Taps — Black Oxide Finish



### HSSE-V3% Vanadium

- Superior performance in hardened tool steels such as 4140, 4340, H13, D2
- Up to 35HRC

Designed for high-speed tapping applications. Developed to withstand the high stress and high heat associated with high-speed CNC production tapping. Features a unique free-cutting design with a special tempering and geometry which contributes to extra tool life.



• 2.5 Pitch lead (Bottoming)

### Inch

Tap	No. Flutes	Overall Length (in.)	Thread Length (in.)	Black Oxide Code No.	H2 Limit Price \$	Black Oxide Code No.	H3 Limit Price \$	Black Oxide Code No.	H4 Limit Price \$
2-56	2	1-3/4	0.433	122500	23.54	-	-	-	-
3-48	2	1-13/16	0.512	122502	18.82	-	-	-	-
4-40	2	1-7/8	0.433	123362	15.52	-	-	-	-
4-40	2	1-7/8	0.433	-	-	122506	15.52	-	-
6-32	3	2	0.512	123366	12.91	-	-	-	-
8-32	3	2-1/8	0.512	123368	12.91	-	-	-	-
10-24	3	2-3/8	0.512	-	-	123370	12.91	-	-
10-32	3	2-3/8	0.512	-	-	123382	12.91	-	-
1/4-20	3	2-1/2	0.512	-	-	123372	14.27	-	-
1/4-28	3	2-1/2	0.512	-	-	123384	14.27	-	-
5/16-18	3	2-23/32	0.630	-	-	123374	16.04	-	-
5/16-24	3	2-23/32	0.630	-	-	123386	16.04	-	-
3/8-16	3	2-15/16	0.748	-	-	123376	18.12	-	-
3/8-24	3	2-15/16	0.748	-	-	123388	18.12	-	-
7/16-14	3	3-5/32	0.748	-	-	123378	23.54	-	-
7/16-20	3	3-5/32	0.748	-	-	123389	23.54	-	-
1/2-13	3	3-3/8	0.866	-	-	123380	27.18	-	-
1/2-20	3	3-3/8	0.866	-	-	123392	27.18	-	-
5/8-11	4	3-13/16	0.945	-	-	123452	49.34	-	-
5/8-18	4	3-13/16	0.945	-	-	123462	49.34	-	-
3/4-10	4	4-1/4	1.102	-	-	123454	77.42	-	-
3/4-16	4	4-1/4	1.102	-	-	123464	77.42	-	-
7/8-9	4	4-11/16	1.220	-	-	-	-	123466	110.77
7/8-14	4	4-11/16	1.220	-	-	-	-	123468	120.94
1-8	4	5-1/8	1.339	-	-	-	-	123469	147.53
1-12	4	5-1/8	1.339	-	-	-	-	123470	161.10
1-14	4	5-1/8	1.496	-	-	-	-	123465	165.63
1-1/8-7	4	5-7/16	1.496	-	-	-	-	123471	248.35
1-1/8-12	4	5-7/16	1.496	-	-	-	-	123472	264.24
1-1/4-7	4	5-3/4	1.732	-	-	-	-	123473	325.81
1-1/4-12	4	5-3/4	1.732	-	-	-	-	123474	330.29
1-3/8-6	4	6-1/16	1.732	-	-	-	-	123475	410.47
1-3/8-12	4	6-1/16	1.732	-	-	-	-	123476	413.59
1-1/2-6	4	6-3/8	2.000	-	-	-	-	123477	472.04
1-1/2-12	4	6-3/8	2.000	-	-	-	-	123478	482.31

### Metric

Tap	No. Flutes	Thread Limits	Overall Length (in.)	Thread Length (in.)	Black Oxide Code No.	Price \$
M3 x 0.5	3	D3	1-15/16	0.197	123650	20.09
M3.5 x 0.6	3	D4	2	0.236	123651	17.88
M4 x 0.7	3	D4	2-1/8	0.276	123652	17.88
M5 x .8	3	D4	2-3/8	0.315	123654	17.88
M6 x 1	3	D5	2-1/2	0.394	123656	17.88
M7 x 1	3	D5	2-23/32	0.394	123657	20.09
M8 x 1	3	D5	2-23/32	0.492	123659	20.09
M8 x 1.25	3	D5	2-23/32	0.492	123658	20.09
M10 x 1.25	3	D5	2-15/16	0.591	123661	27.93
M10 x 1.5	3	D6	2-15/16	0.591	123660	27.93
M12 x 1.25	3	D5	3-3/8	0.689	123663	33.51
M12 x 1.75	3	D6	3-3/8	0.689	123662	33.51
M14 x 1.5	3	D6	3-19/32	0.787	123665	49.90
M14 x 2	3	D7	3-19/32	0.787	123667	49.90

Tap	No. Flutes	Thread Limits	Overall Length (in.)	Thread Length (in.)	Black Oxide Code No.	Price \$
M16 x 1.5	3	D6	3-13/16	0.787	123668	60.52
M16 x 2	3	D7	3-13/16	0.787	123669	60.52
M18 x 1.5	4	D6	4-1/32	0.984	123670	84.89
M18 x 2.5	4	D7	4-1/32	0.984	123671	84.89
M20 x 1.5	4	D5	4-15/32	0.984	123672	121.84
M20 x 2.5	4	D6	4-15/32	0.984	123673	135.99
M22 x 1.5	4	D6	4-11/16	0.984	123674	129.82
M22 x 2.5	4	D6	4-11/16	0.984	123675	128.61
M24 x 1.5	4	D5	4-29/32	1.181	123676	180.24
M24 x 3	4	D7	4-29/32	1.181	123677	171.65
M27 x 1.5	4	D7	5-1/8	1.181	123678	295.65
M27 x 3	4	D7	5-1/8	1.181	123679	277.86
M30 x 1.5	4	D7	5-7/16	1.378	123680	370.29
M30 x 3.5	4	D7	5-7/16	1.378	123681	364.53