

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	32.03	-	-	-	-
3-48	2	1-13/16	0.512	122502	25.61	-	-	-	-
4-40	2	1-7/8	0.433	123362	21.13	-	-	-	-
4-40	2	1-7/8	0.433	-	-	122506	21.13	-	-
6-32	3	2	0.512	123366	17.57	-	-	-	-
8-32	3	2-1/8	0.512	123368	17.57	-	-	-	-
10-24	3	2-3/8	0.512	-	-	123370	17.57	-	-
10-32	3	2-3/8	0.512	-	-	123382	17.57	-	-
1/4-20	3	2-1/2	0.512	-	-	123372	19.42	-	-
1/4-28	3	2-1/2	0.512	-	-	123384	19.42	-	-
5/16-18	3	2-23/32	0.630	-	-	123374	21.84	-	-
5/16-24	3	2-23/32	0.630	-	-	123386	21.84	-	-
3/8-16	3	2-15/16	0.748	-	-	123376	24.65	-	-
3/8-24	3	2-15/16	0.748	-	-	123388	24.65	-	-
7/16-14	3	3-5/32	0.748	-	-	123378	32.03	-	-
7/16-20	3	3-5/32	0.748	-	-	123389	32.03	-	-
1/2-13	3	3-3/8	0.866	-	-	123380	36.99	-	-
1/2-20	3	3-3/8	0.866	-	-	123392	36.99	-	-
5/8-11	4	3-13/16	0.945	-	-	123452	67.15	-	-
5/8-18	4	3-13/16	0.945	-	-	123462	67.15	-	-
3/4-10	4	4-1/4	1.102	-	-	123454	105.36	-	-
3/4-16	4	4-1/4	1.102	-	-	123464	105.36	-	-
7/8-9	4	4-11/16	1.220	-	-	-	-	123466	150.75
7/8-14	4	4-11/16	1.220	-	-	-	-	123468	164.59
1-8	4	5-1/8	1.339	-	-	-	-	123469	200.78
1-12	4	5-1/8	1.339	-	-	-	-	123470	219.24
1-14	4	5-1/8	1.496	-	-	-	-	123465	225.41
1-1/8-7	4	5-7/16	1.496	-	-	-	-	123471	337.98
1-1/8-12	4	5-7/16	1.496	-	-	-	-	123472	359.60
1-1/4-7	4	5-3/4	1.732	-	-	-	-	123473	443.40
1-1/4-12	4	5-3/4	1.732	-	-	-	-	123474	449.51
1-3/8-6	4	6-1/16	1.732	-	-	-	-	123475	558.62
1-3/8-12	4	6-1/16	1.732	-	-	-	-	123476	562.86
1-1/2-6	4	6-3/8	2.000	-	-	-	-	123477	642.41
1-1/2-12	4	6-3/8	2.000	-	-	-	-	123478	656.38

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	27.34
M3.5 x 0.6	3	D4	2	0.236	123651	24.33
M4 x 0.7	3	D4	2-1/8	0.276	123652	24.33
M5 x .8	3	D4	2-3/8	0.315	123654	24.33
M6 x 1	3	D5	2-1/2	0.394	123656	24.33
M7 x 1	3	D5	2-23/32	0.394	123657	27.34
M8 x 1	3	D5	2-23/32	0.492	123659	27.34
M8 x 1.25	3	D5	2-23/32	0.492	123658	27.34
M10 x 1.25	3	D5	2-15/16	0.591	123661	38.01
M10 x 1.5	3	D6	2-15/16	0.591	123660	38.01
M12 x 1.25	3	D5	3-3/8	0.689	123663	45.60
M12 x 1.75	3	D6	3-3/8	0.689	123662	45.60
M14 x 1.5	3	D6	3-19/32	0.787	123665	67.91
M14 x 2	3	D7	3-19/32	0.787	123667	67.91

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	82.37
M16 x 2	3	D7	3-13/16	0.787	123669	82.37
M18 x 1.5	4	D6	4-1/32	0.984	123670	115.53
M18 x 2.5	4	D7	4-1/32	0.984	123671	115.53
M20 x 1.5	4	D5	4-15/32	0.984	123672	165.82
M20 x 2.5	4	D6	4-15/32	0.984	123673	185.07
M22 x 1.5	4	D6	4-11/16	0.984	123674	176.68
M22 x 2.5	4	D6	4-11/16	0.984	123675	175.02
M24 x 1.5	4	D5	4-29/32	1.181	123676	245.30
M24 x 3	4	D7	4-29/32	1.181	123677	233.60
M27 x 1.5	4	D7	5-1/8	1.181	123678	402.36
M27 x 3	4	D7	5-1/8	1.181	123679	378.15
M30 x 1.5	4	D7	5-7/16	1.378	123680	503.94
M30 x 3.5	4	D7	5-7/16	1.378	123681	496.10