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TAP BLOWOUT



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Blue Ring – HSSE-V3 Black Oxide ANSI Shank Taps – Intermediate & Bottoming Styles



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

- Used in general machine tapping applications for mild carbon steels such as 1018, 1010, 1035, 1045, 1050 and 1065
- Up to 25 HRC

Spiral Point



4.5 Pitch Lead (Intermediate)



Tap	Threads Per Inch	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch								
4	40	2	H2	1-7/8	0.433	119700	10.57	6.66
6	32	3	H3	2	0.512	119701	8.84	5.57
6	40	3	H2	2	0.512	119722	10.18	6.41
8	32	3	H3	2-1/8	0.512	119702	8.84	5.57
12	24	3	H3	2-3/8	0.512	119705	10.18	6.41
1/4	28	2	H3	2-1/2	0.630	119725	10.95	6.90
5/16	18	2	H3	2-23/32	0.748	119708	15.42	9.71
5/16	24	3	H3	2-23/32	0.748	119728	15.42	9.71
3/8	16	2	H3	2-15/16	0.748	119710	15.19	9.57
3/8	24	2	H3	2-15/16	0.748	119729	15.19	9.57
3/8	24	3	H3	2-15/16	0.748	119730	15.19	9.57
7/16	14	3	H3	3-5/32	0.866	119712	19.41	12.23
7/16	20	3	H3	3-5/32	0.866	119731	19.41	12.23
1/2	20	3	H3	3-3/8	0.945	119732	23.12	14.57
5/8	18	3	H3	3-13/16	1.102	119733	67.65	42.62
3/4	16	3	H3	4-1/4	1.220	119734	99.63	62.77
7/8	9	3	H4	4-11/16	1.339	119716	137.96	86.91
7/8	14	3	H4	4-11/16	1.339	119735	188.03	118.46
1	12	3	H4	5-1/8	1.496	119736	177.87	112.06
1-1/8	12	4	H4	5-7/16	1.732	119737	251.46	158.42
1-1/4	7	4	H4	5-3/4	1.732	119719	292.69	184.39
1-1/2	6	4	H4	6-3/8	2.000	119721	493.67	311.01
Metric								
M4 x .7	-	3	D4	2-1/8	0.512	119754	12.55	7.91
M4.5 x .75	-	3	D4	2-3/8	0.512	119755	17.18	10.82
M5 x .8	-	3	D4	2-3/8	0.512	119756	12.55	7.91
M6 x 1	-	3	D5	2-1/2	0.630	119757	12.55	7.91
M8 x 1	-	3	D5	2-23/32	0.748	119759	17.70	11.15
M8 x 1.25	-	3	D5	2-23/32	0.748	119760	14.55	9.17
M10 x 1.25	-	3	D5	2-15/16	0.748	119761	19.82	12.49
M10 x 1.5	-	3	D6	2-15/16	0.748	119762	24.04	15.15
M12 x 1.25	-	3	D5	3-3/8	0.945	119763	29.73	18.73
M16 x 1.5	-	3	D6	3-13/16	1.102	119767	54.97	34.63
M16 x 2	-	3	D7	3-13/16	1.102	119768	54.97	34.63
M18 x 2.5	-	3	D7	4-1/32	1.102	119770	85.63	53.95
M22 x 1.5	-	3	D6	4-11/16	1.339	119773	132.40	83.41
M22 x 2.5	-	3	D6	4-11/16	1.339	119774	132.40	83.41
M27 x 1.5	-	4	D7	5-1/8	1.181	119777	251.46	158.42
M30 x 1.5	-	4	D7	5-7/16	1.378	119779	292.69	184.39

Spiral Flute



2.5 Pitch Lead (Bottoming)



Tap	Threads Per Inch	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch								
4	40	2	H2	1-7/8	0.433	119800	18.36	11.57
10	24	3	H3	2-3/8	0.512	119803	14.93	9.41
10	32	3	H3	2-3/8	0.512	119817	14.93	9.41
5/16	18	3	H3	2-1/2	0.748	119805	19.96	12.57
5/16	24	3	H3	2-23/32	0.748	119819	19.96	12.57
3/8	16	3	H3	2-23/32	0.748	119806	23.12	14.57
3/8	24	3	H3	2-15/16	0.748	119820	23.12	14.57
7/16	20	3	H3	2-15/16	0.866	119830	34.62	21.81
1/2	13	3	H3	3-3/8	0.945	119808	40.82	25.72
1/2	20	3	H3	3-3/8	0.945	119821	40.82	25.72
5/8	11	4	H3	3-13/16	1.102	119809	67.65	42.62
5/8	18	4	H3	3-13/16	1.102	119822	67.65	42.62
3/4	10	4	H3	4-1/4	1.220	119810	106.23	66.92
7/8	9	4	H4	4-11/16	1.339	119811	137.96	86.91
1	12	4	H4	5-1/8	1.496	119825	188.03	118.46
1-1/8	12	4	H4	5-7/16	1.732	119826	251.46	158.42
1-1/4	12	4	H4	5-3/4	1.732	119827	292.69	184.39
1-3/8	12	4	H4	6-1/16	2.000	119828	384.93	242.51
1-1/2	6	4	H4	6-3/8	2.000	119816	493.67	311.01
Metric								
M3 x .5	-	3	D3	1-15/16	0.433	119840	21.14	13.32
M3.5 x .6	-	3	D4	2	0.512	119841	14.39	9.07
M7 x 1	-	3	D5	2-23/32	0.630	119845	17.70	11.15
M8 x 1	-	3	D5	2-23/32	0.748	119846	17.70	11.15
M10 x 1.25	-	3	D5	2-15/16	0.748	119848	19.82	12.49
M12 x 1.25	-	3	D5	3-3/8	0.945	119850	29.73	18.73
M12 x 1.75	-	3	D6	3-3/8	0.945	119851	47.71	30.06
M14 x 1.5	-	3	D6	3-19/32	0.984	119852	54.58	34.39
M16 x 1.5	-	3	D6	3-13/16	1.102	119854	54.97	34.63
M18 x 1.5	-	4	D6	4-1/32	1.102	119856	85.63	53.95
M18 x 2.5	-	4	D7	4-1/32	1.102	119857	85.63	53.95
M20 x 1.5	-	4	D5	4-15/32	1.220	119858	128.97	81.25
M22 x 1.5	-	4	D6	4-11/16	1.339	119860	147.47	92.91
M22 x 2.5	-	4	D6	4-11/16	1.339	119861	147.47	92.91
M24 x 1.5	-	4	D5	4-29/32	1.339	119862	199.13	125.45
M24 x 3	-	4	D7	4-29/32	1.339	119863	199.13	125.45

Blue Ring – HSSE-V3 Black Oxide + 0.005" Spiral Point Taps – Intermediate Style

Features a unique free-cutting design with a special tempering and geometry which contributes to extra tool life.

Spiral Point

4.5 Pitch Lead (Intermediate)

Tap	No. Flutes	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
6	32	3	2	0.512	119925	16.26	10.24
8	32	3	2-1/8	0.512	119926	12.16	7.66
10	32	3	2-3/8	0.512	119939	20.23	12.74
1/4	20	3	2-1/2	0.630	119927	19.30	12.16
5/16	24	3	2-23/32	0.748	119935	22.99	14.48
3/8	16	3	2-15/16	0.748	119929	17.43	10.98
3/8	24	3	2-15/16	0.748	119936	17.43	10.98
7/16	14	3	3-5/32	0.866	119930	25.78	16.24
7/16	20	3	3-5/32	0.866	119937	25.78	16.24
1/2	13	3	3-3/8	0.945	119931	31.19	19.65
1/2	20	3	3-3/8	0.945	119938	31.19	19.65
5/8	11	3	3-13/16	1.102	119932	53.25	33.55



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GUHRING



Yellow Ring – HSSE-V3 Black Oxide DIN Length ANSI Shank Taps – Intermediate & Bottoming Styles

These taps combine ANSI shank specifications with advantage of DIN lengths for added reach.

Spiral Point

4.5 Pitch lead (Intermediate)

Tap	No. Flutes	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
1/4-20	3	H3	3.150	0.669	124822	17.32	10.91
3/8-16	3	H3	3.937	0.787	124826	25.62	16.14
7/16-14	3	H3	3.937	0.866	124828	28.49	17.95
1/2-13	3	H3	4.331	0.984	124830	32.92	20.74
5/8-11	3	H3	4.331	1.063	124832	59.66	37.59

Spiral Flute

2.5 Pitch lead (Bottoming)

Tap	No. Flutes	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
10-24	3	H3	2.756	0.417	124800	18.75	11.81
1/4-20	3	H3	3.150	0.500	124802	20.79	13.10
3/8-16	3	H3	3.937	0.625	124806	30.74	19.37
7/16-14	3	H3	3.937	0.714	124808	34.19	21.54
5/8-11	4	H3	4.331	0.909	124812	71.58	45.10
3/4-10	4	H3	4.921	1.000	124814	112.33	70.77

Yellow Ring Taps – HSSE-V3 Black Oxide UN8 DIN Length ANSI Shank – Bottoming Style

Spiral Flute

2.5 Pitch lead (Bottoming)

Tap	No. Flutes	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
1-8	4	H7	6.299	1.417	123055	272.06	171.40
1-3/8-8	5	H9	7.874	1.654	123080	600.08	378.05
1-1/2-8	5	H9	7.874	1.654	123057	765.57	482.31

Yellow Ring – HSSE-V3 Black Oxide Spiral Flute NPT Pipe Taps – Bottoming Style

Spiral Flute

2.5 Pitch lead (Bottoming)

Tap	No. Flutes	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
1/16-27	4	2-1/8	0.688	123400	51.99	32.75
1/8-27	4	2-1/8	0.750	123402	51.99	32.75
1/4-18	4	2-7/16	1.063	123404	57.25	36.07
3/8-18	4	2-9/16	1.063	123406	75.74	47.72
1/2-14	4	3-1/8	1.375	123410	120.45	75.88
3/4-14	5	3-1/4	1.375	123412	168.28	106.02
1-11-1/2	5	3-3/4	1.750	123414	255.92	161.23
1-1/4-11-1/2	5	4	1.750	123416	363.00	228.69
1-1/2-11-1/2	5	4-1/4	1.750	123418	437.52	275.64

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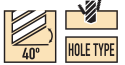
Yellow Ring – HSSE-V3 Black Oxide ANSI Shank Taps – Intermediate & Bottoming Styles



Spiral Point

4.5 Pitch Lead (Intermediate)

Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
2-56	2	H2	1-3/4	0.433	122550	27.22	17.15
4-40	2	H2	1-7/8	0.433	123296	17.95	11.31
4-40	2	H3	1-7/8	0.433	122554	17.95	11.31
4-40	2	H2	4	0.433	122700	30.12	18.98
6-32	3	H3	2	0.512	123300	14.93	9.41
6-32	3	H3	4	0.512	122702	27.01	17.02
6-40	3	H3	2	0.512	123334	14.93	9.41
8-32	3	H3	2-1/8	0.512	123302	14.93	9.41
10-32	3	H3	2-3/8	0.512	123338	14.93	9.41
10-32	3	H3	6	0.512	122708	29.61	18.65
1/4-20	3	H3	6	0.630	122710	41.90	26.40
1/4-28	3	H3	2-1/2	0.630	123342	16.51	10.40
1/4-28	3	H3	6	0.630	122712	41.90	26.40
5/16-18	3	H3	2-23/32	0.748	123310	18.56	11.69
5/16-18	3	H3	6	0.748	122714	49.22	31.01
5/16-24	3	H3	6	0.748	122716	49.22	31.01
3/8-24	3	H3	2-15/16	0.748	123346	20.96	13.20
3/8-24	3	H3	6	0.748	122720	62.09	39.12
7/16-14	3	H3	3-5/32	0.866	123314	27.22	17.15
1/2-13	3	H3	6	0.945	122726	85.73	54.01
1/2-20	3	H3	3-3/8	0.945	123350	31.45	19.81
1/2-20	3	H3	6	0.945	122728	85.73	54.01
5/8-11	3	H3	3-13/16	1.102	123318	57.08	35.96
3/4-10	3	H3	4-1/4	1.220	123320	89.56	56.42
3/4-16	3	H3	4-1/4	1.220	123353	89.56	56.42
7/8-9	3	H4	4-11/16	1.339	123321	128.14	80.73
7/8-14	3	H4	4-11/16	1.339	123359	139.90	88.14
1-8	4	H4	5-1/8	1.496	123323	170.66	107.52
1-12	4	H4	5-1/8	1.496	123361	186.35	117.40
1-14	4	H4	5-1/8	1.496	123360	191.60	120.71
1-1/8-7	4	H4	5-7/16	1.732	123364	287.28	180.99
1-1/8-12	4	H4	5-7/16	1.732	123365	305.66	192.57
1-1/4-7	4	H4	5-3/4	1.732	123367	376.89	237.44
1-1/4-12	4	H4	5-3/4	1.732	123369	382.07	240.70
1-3/8-6	4	H4	6-1/16	2.000	123371	474.82	299.14
1-3/8-12	4	H4	6-1/16	2.000	123373	478.43	301.41
1-1/2-6	4	H4	6-3/8	2.000	123363	546.05	344.01
1-1/2-12	4	H4	6-3/8	2.000	123375	557.93	351.50
Metric							
M2 x 0.4	2	D3	1-3/4	0.433	123502	23.61	14.87
M2.5 x 0.45	2	D3	1-13/16	0.512	123504	23.17	14.60
M3 x 0.5	3	D3	1-15/16	0.433	123505	23.25	14.65
M3.5 x 0.6	3	D4	2	0.512	123506	20.69	13.03
M4 x 0.7	3	D4	2-1/8	0.512	123507	20.69	13.03
M5 x 0.8	3	D4	2-3/8	0.512	123509	20.69	13.03
M6 x 1	3	D5	2-1/2	0.630	123510	20.69	13.03
M7 x 1	3	D5	2-23/32	0.630	123511	23.25	14.65
M8 x 1	3	D5	2-23/32	0.748	123512	23.25	14.65
M8 x 1.25	3	D5	2-23/32	0.748	123513	23.25	14.65
M10 x 1.25	3	D5	2-15/16	0.748	123516	32.30	20.35
M10 x 1.5	3	D6	2-15/16	0.748	123515	32.30	20.35
M12 x 1.25	3	D5	3-3/8	0.945	123518	38.76	24.42
M14 x 1.5	3	D7	3-19/32	0.984	123519	57.72	36.36
M14 x 2	3	D6	3-19/32	0.984	123520	57.72	36.36
M16 x 1.5	3	D6	3-13/16	1.102	123522	70.01	44.11
M16 x 2	3	D7	3-13/16	1.102	123521	70.01	44.11
M18 x 1.5	4	D6	4-1/32	1.102	123523	98.20	61.87
M18 x 2.5	4	D7	4-1/32	1.102	123524	98.20	61.87
M20 x 1.5	4	D5	4-15/32	1.220	123525	140.93	88.79
M20 x 2.5	4	D6	4-15/32	1.220	123526	157.31	99.11
M22 x 1.5	4	D6	4-11/16	1.339	123527	150.18	94.61
M22 x 2.5	4	D6	4-11/16	1.339	123528	148.78	93.73
M24 x 1.5	4	D5	4-29/32	1.339	123529	208.51	131.36
M24 x 3	4	D7	4-29/32	1.339	123530	198.56	125.09
M27 x 3	4	D7	5-1/8	1.181	123532	321.43	202.50
M30 x 1.5	4	D7	5-7/16	1.378	123533	428.35	269.86



Spiral Flute

2.5 Pitch Lead (Bottoming)

Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
2-56	2	H2	1-3/4	0.433	122500	32.67	20.58
3-48	2	H2	1-13/16	0.512	122502	26.12	16.46
4-40	2	H2	1-7/8	0.433	123362	21.55	13.58
4-40	2	H3	1-7/8	0.433	122506	21.55	13.58
4-40	2	H2	4	0.433	123060	36.82	23.20
6-32	3	H2	2	0.512	123366	17.92	11.29
6-32	3	H3	4	0.512	123061	35.09	22.11
8-32	3	H3	4	0.512	123062	36.22	22.82
10-24	3	H3	4	0.512	123063	36.49	22.99
10-32	3	H3	2-3/8	0.512	123382	17.92	11.29
10-32	3	H3	6	0.512	123073	36.49	22.99
1/4-20	3	H3	2-1/2	0.512	123372	19.81	12.48
1/4-28	3	H3	2-1/2	0.512	123384	19.81	12.48
1/4-28	3	H3	6	0.630	123074	46.22	29.12
5/16-18	3	H3	2-23/32	0.630	123374	22.28	14.04
5/16-18	3	H3	6	0.748	123065	59.50	37.49
5/16-24	3	H3	2-23/32	0.630	123386	22.28	14.04
5/16-24	3	H3	6	0.748	123075	59.50	37.49
3/8-16	3	H3	2-15/16	0.748	123376	25.14	15.84
3/8-24	3	H3	2-15/16	0.748	123388	25.14	15.84
3/8-24	3	H3	6	0.748	123076	72.44	45.64
7/16-14	3	H3	6	0.866	123067	92.70	58.40
7/16-20	3	H3	3-5/32	0.748	123389	32.67	20.58
7/16-20	3	H3	6	0.866	123077	92.70	58.40
1/2-13	3	H3	6	0.945	123068	114.86	72.36
1/2-20	3	H3	6	0.945	123078	114.86	72.36
5/8-11	4	H3	3-13/16	0.945	123452	68.49	43.15
5/8-11	4	H3	6	1.102	123069	145.22	91.49
3/4-10	4	H3	4-1/4	1.102	123454	107.47	67.71
1-8	4	H4	6	1.496	123072	419.43	264.24
1-14	4	H4	5-1/8	1.496	123465	229.92	144.85
1-1/8-7	4	H4	5-7/16	1.496	123471	344.74	217.19
1-1/8-12	4	H4	5-7/16	1.496	123472	366.79	231.08
1-3/8-12	4	H4	6-1/16	1.732	123476	574.12	361.70
1-1/2-12	4	H4	6-3/8	2.000	123478	669.51	421.79
Metric							
M3 x 0.5	3	D3	1-15/16	0.197	123650	27.89	17.57
M3.5 x 0.6	3	D4	2	0.236	123651	24.82	15.64
M4 x 0.7	3	D4	2-1/8	0.276	123652	24.82	15.64
M6 x 1	3	D5	2-1/2	0.394	123656	24.82	15.64
M7 x 1	3	D5	2-23/32	0.394	123657	27.89	17.57
M8 x 1	3	D5	2-23/32	0.492	123659	27.89	17.57
M10 x 1.25	3	D5	2-15/16	0.591	123661	38.77	24.43
M12 x 1.25	3	D5	3-3/8	0.689	123663	46.51	29.30
M14 x 1.5	3	D6	3-19/32	0.787	123665	69.27	43.64
M14 x 2	3	D7	3-19/32	0.787	123667	69.27	43.64
M16 x 1.5	3	D6	3-13/16	0.787	123668	84.02	52.93
M16 x 2	3	D7	3-13/16	0.787	123669	84.02	52.93
M20 x 1.5	4	D5	4-15/32	0.984	123672	169.14	106.56
M20 x 2.5	4	D6	4-15/32	0.984	123673	188.77	118.93
M22 x 2.5	4	D6	4-11/16	0.984	123675	178.52	112.47
M24 x 1.5	4	D5	4-29/32	1.181	123676	250.21	157.63
M24 x 3	4	D7	4-29/32	1.181	123677	238.27	150.11
M27 x 1.5	4	D7	5-1/8	1.181	123678	410.41	258.56
M30 x 3.5	4	D7	5-7/16	1.378	123681	506.02	318.79

Green Series Bright Hand Taps – Taper, Plug & Bottoming Styles

High Speed Steel for hand tapping of through or blind holes in ferrous and non-ferrous alloys.



Taper Tap	No. Fl.	Limit	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
5/16-18	4	H3	2-23/32	1.125	123122	14.11	8.89
5/16-24	4	H3	2-23/32	1.125	123206	13.56	8.54
7/16-20	4	H3	3-5/32	1.438	123218	26.39	16.63
9/16-18	4	H3	3-19/32	1.656	123230	46.08	29.03
3/4-16	4	H3	4-1/4	2.000	123242	76.85	48.42
Metric							
M20 x 2.5	4	D6	4-15/32	2	123090	111.35	70.15
M24 x 3.0	4	D7	4-29/32	2-7/32	123096	143.67	90.51

Plug Tap	No. Fl.	Limit	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
1/4-20	4	H3	2-1/2	1.000	123118	11.47	7.23
5/16-18	4	H3	2-23/32	1.125	123124	14.11	8.89
5/16-24	4	H3	2-23/32	1.125	123208	14.11	8.89
7/16-14	4	H3	3-5/32	1.438	123136	27.22	17.15
7/16-20	4	H3	3-5/32	1.438	123220	27.22	17.15
1/2-13	4	H3	3-3/8	1.656	123142	28.60	18.02
3/4-16	4	H3	4-1/4	2.000	123244	76.85	48.42
Metric							
M5 x 0.8	3	D4	2-3/8	7/8	123484	13.99	8.81
M6 x 1.0	4	D5	2-1/2	1	123486	14.81	9.33
M10 x 1.25	4	D5	2-15/16	1-1/4	123490	30.59	19.27
M10 x 1.5	4	D6	2-15/16	1-1/4	123492	30.59	19.27
M18 x 2.5	4	D7	4-1/32	1-13/16	123088	81.78	51.52
M22 x 2.5	4	D6	4-11/16	2-7/32	123094	121.89	76.79

Bottom Tap	No. Fl.	Limit	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
10-32	4	H3	2-3/8	0.875	123108	10.70	6.74
1/4-28	4	H3	2-1/2	1.000	123204	11.47	7.23
5/16-18	4	H3	2-23/32	1.125	123126	14.11	8.89
5/16-24	4	H3	2-23/32	1.125	123210	14.11	8.89
1/2-20	4	H3	3-3/8	1.656	123228	32.09	20.22
9/16-18	4	H3	3-19/32	1.656	123234	46.08	29.03
5/8-11	4	H3	3-13/16	1.813	123156	57.28	36.09
5/8-18	4	H3	3-13/16	1.813	123240	55.18	34.76
Metric							
M8 x 1.25	4	D5	2-23/32	1-1/8	123489	16.30	10.27
M10 x 1.25	4	D5	2-15/16	1-1/4	123491	30.59	19.27
M14 x 2.0	4	D7	3-19/32	1-21/32	123083	49.73	31.33
M18 x 2.5	4	D7	4-1/32	1-13/16	123089	81.78	51.52

Green Series HSS Bright NPT Taps

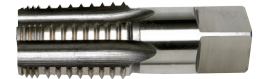
Ground thread High Speed Steel pipe taps.



Sowa Tap	No. Flutes	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
1-1/4-11-1/2	5	4	1.750	123444	412.52	259.89
3/8-18	4	6	1.063	122436	183.52	115.62

Green Series HSS Bright NPT Interrupted Thread

These taps are designed to produce less cutting pressure in a variety of applications.



Tap	No. Flutes	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
3/4-14	5	3-1/4	1.375	123708	177.58	111.88

Green Series – HSSE-V3 Bright Spiral Flute For Aluminum – Bottoming Style

High performance taps with special geometries and bright finish for Aluminum.



2.5 Pitch Lead (Bottoming)

Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
6-32	2	H3	2	0.313	124405	20.82	13.12
1/4-20	2	H3	2-1/2	0.500	124430	22.55	14.21
1/4-28	2	H3	2-1/2	0.500	124440	22.55	14.21
5/16-18	2	H3	2-23/32	0.556	124445	27.54	17.35
3/8-24	2	H3	2-15/16	0.625	124475	32.16	20.26
Metric							
M6 x 1.0	2	D5	2-1/2	0.394	124615	28.55	17.99
M10 x 1.25	2	D5	2-15/16	0.591	124625	43.64	27.49
M10 x 1.5	2	D6	2-15/16	0.591	124630	43.64	27.49

Green Series – HSS Bright Roll Form Taps

Extended life results from tap geometry that allows optimum cutting performance and close control over tapped hole size. Superior wear resistance, heat treated for toughness. Used for thread forming in copper, brass, aluminum, die castings, leaded steels, low carbon steels and stainless steels.



Tap	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch						
3/8-16	H7	2-15/16	0.980	124695	29.90	18.84
3/8-24	H7	2-15/16	0.980	124700	21.44	13.51
Metric						
M4 x 0.7	D6	2-1/8	0.500	124755	17.85	11.25
M5 x 0.8	D7	2-3/8	0.640	124760	18.29	11.52

Orange Ring – HSSE-V3 Black Oxide ANSI Shank Taps – Intermediate & Bottoming Styles



Spiral Point



4.5 Pitch Lead
(Intermediate)

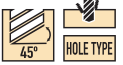


Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
2-56	2	H2	1-3/4	0.433	124926	40.96	25.80
3-48	2	H2	1-13/16	0.512	124927	34.75	21.89
4-40	2	H2	1-7/8	0.433	124930	25.90	16.32
6-32	3	H3	2	0.512	124931	21.80	13.73
8-32	3	H3	2-1/8	0.512	124932	21.80	13.73
10-24	3	H3	2-3/8	0.512	124933	22.20	13.99
10-32	3	H3	2-3/8	0.512	124945	22.20	13.99
1/4-20	3	H3	2-1/2	0.630	124934	24.18	15.23
1/4-28	3	H3	2-1/2	0.630	124946	24.18	15.23
5/16-18	3	H3	2-23/32	0.748	124935	26.30	16.57
5/16-24	3	H3	2-23/32	0.748	124947	26.30	16.57
3/8-16	3	H3	2-15/16	0.748	124936	29.59	18.64
3/8-24	3	H3	2-15/16	0.748	124948	29.59	18.64
7/16-14	3	H3	3-5/32	0.866	124937	38.19	24.06
7/16-20	3	H3	3-5/32	0.866	124949	38.19	24.06
1/2-13	3	H3	3-3/8	0.945	124938	44.67	28.14
1/2-20	3	H3	3-3/8	0.945	124950	44.67	28.14
5/8-11	3	H3	3-13/16	1.102	124939	81.78	51.52
5/8-18	3	H3	3-13/16	1.102	124951	81.78	51.52
3/4-10	3	H3	4-1/4	1.220	124940	129.50	81.59
3/4-16	3	H3	4-1/4	1.220	124952	129.50	81.59
7/8-9	3	H4	4-11/16	1.339	124941	168.73	106.30
7/8-14	3	H4	4-11/16	1.339	124953	168.73	106.30
1-8	3	H4	5-1/8	1.496	124942	224.11	141.19
1-12	3	H4	5-1/8	1.496	124954	224.11	141.19
Metric							
M3 x 0.5	3	D3	1-15/16	0.433	124955	29.99	18.89
M4 x 0.7	3	D4	2-1/8	0.512	124956	24.85	15.66
M8 x 1.25	3	D5	2-23/32	0.748	124959	30.64	19.30
M10 x 1.25	3	D5	2-15/16	0.748	124960	44.26	27.88
M10 x 1.5	3	D6	2-15/16	0.748	124961	44.26	27.88
M12 x 1.75	3	D6	3-3/8	0.945	124962	51.13	32.21
M14 x 2	3	D6	3-19/32	0.984	124897	54.55	34.37
M16 x 2	3	D7	3-13/16	1.102	124899	107.44	67.69
M18 x 2.5	3	D7	4-1/32	1.102	124901	118.51	74.66
M20 x 2.5	3	D6	4-1/4	1.220	124903	142.06	89.50
M24 x 3	3	D7	4-29/32	1.339	124907	221.98	139.85

Spiral Flute



2.5 Pitch Lead
(Bottoming)



Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
2-56	2	H2	1-3/4	0.433	124928	51.67	32.55
3-48	2	H2	1-13/16	0.512	124929	45.33	28.56
4-40	2	H2	1-7/8	0.250	124965	37.53	23.64
6-32	3	H2	2	0.313	124966	30.64	19.30
8-32	3	H2	2-1/8	0.313	124967	30.53	19.23
10-24	3	H3	2-3/8	0.417	124968	31.30	19.72
10-32	3	H3	2-3/8	0.417	124979	31.30	19.72
1/4-28	3	H3	2-1/2	0.500	124980	34.35	21.64
5/16-18	3	H3	2-23/32	0.556	124970	38.19	24.06
5/16-24	3	H3	2-23/32	0.556	124981	38.19	24.06
3/8-16	3	H3	2-15/16	0.625	124971	42.54	26.80
3/8-24	3	H3	2-15/16	0.625	124982	42.54	26.80
7/16-14	3	H3	3-5/32	0.714	124972	54.85	34.56
7/16-20	3	H3	3-5/32	0.714	124964	54.85	34.56
1/2-20	3	H3	3-3/8	0.769	124983	64.48	40.62
9/16-12	4	H3	3-19/32	0.880	124974	104.13	65.60
5/8-18	4	H3	3-13/16	0.909	124984	122.76	77.34
3/4-10	4	H3	4-1/4	1.000	124976	156.84	98.81
3/4-16	4	H3	4-1/4	1.000	124985	156.84	98.81
7/8-9	4	H4	4-11/16	1.111	124977	210.91	132.87
7/8-14	4	H4	4-11/16	1.111	124986	210.91	132.87
Metric							
M3 x 0.5	3	D3	1-15/16	0.197	124988	36.86	23.22
M5 x 0.8	3	D4	2-3/8	0.315	124990	36.08	22.73
M6 x 1	3	D5	2-1/2	0.394	124991	39.78	25.06
M8 x 1.25	3	D5	2-23/32	0.492	124992	44.26	27.88
M10 x 1.25	3	D5	2-15/16	0.591	124993	63.03	39.71
M10 x 1.5	3	D6	2-15/16	0.591	124994	63.03	39.71
M12 x 1.75	3	D6	3-3/8	0.689	124995	75.05	47.28
M14 x 2	3	D7	3-19/32	0.787	124996	104.40	65.77
M18 x 2.5	4	D7	4-1/32	0.984	124998	152.89	96.32
M20 x 2.5	4	D6	4-15/32	0.984	124999	156.84	98.81
M22 x 2.5	4	D6	4-11/16	0.984	124943	184.19	116.04
M24 x 3	4	D7	4-29/32	1.181	124944	248.95	156.84

Red Ring – P-HSS Black Oxide ANSI Shank Taps – Intermediate & Bottoming Styles



Spiral Point



4.5 Pitch Lead
(Intermediate)



Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
4-40	2	H2	1-7/8	0.433	124100	33.84	21.32
5-40	3	H2	1-15/16	0.433	124105	33.84	21.32
6-32	3	H3	2	0.512	124110	28.27	17.81
8-32	3	H3	2-1/8	0.512	124115	28.27	17.81
10-32	3	H3	2-3/8	0.512	124125	28.93	18.23
3/8-24	3	H3	2-15/16	0.748	124155	45.99	28.97
Metric							
M3 x .5	3	D3	1-15/16	0.433	124500	38.98	24.56
M5 x .8	3	D4	2-3/8	0.512	124510	33.03	20.81
M6 x 1.0	3	D5	2-1/2	0.630	124515	41.76	26.31

Spiral Flute



2.5 Pitch Lead
(Bottoming)



Tap	No. Fl.	Thread Limits	Overall Length (in.)	Thread Length (in.)	Code No.	List Price	SALE \$
Inch							
4-40	2	H2	1-7/8	0.250	124250	44.79	28.22
6-32	3	H3	2	0.313	124255	36.74	23.15
10-32	3	H3	2-3/8	0.417	124270	37.66	23.73
3/8-16	3	H3	2-15/16	0.625	124295	51.13	32.21
7/16-14	3	H3	3-5/32	0.714	124305	63.29	39.87
7/16-20	3	H3	3-5/32	0.714	124310	63.29	39.87
5/8-11	4	H3	3-13/16	0.909	124325	141.13	88.91
Metric							
M3 x .5	3	D3	1-15/16	0.197	124550	49.29	31.05
M4 x .7	3	D4	2-1/8	0.276	124555	41.10	25.89
M5 x .8	3	D4	2-3/8	0.315	124560	41.87	26.38
M8 x 1.25	3	D5	2-23/32	0.492	124570	51.28	32.31
M10 x 1.25	3	D5	2-15/16	0.591	124575	69.89	44.03



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