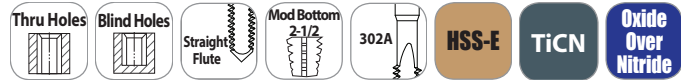


**CNC Straight Flute**  
Cast Iron and Harder Materials

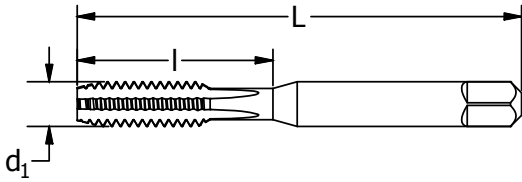
Machine Tap for Through or Blind Holes



Style: **HTHM**



**Note**  
Tapping speeds -  
see page 39-41.



diameter & pitch	thread form	d <sub>1</sub> in	number of flutes	H-limit	L in	I in	order number	
							Oxide over Nitride	TiCN
10-24	UNC	.1900	4	H3	2.375	.875	330259	—
10-32	UNF	.1900	4	H3	2.375	.875	330260	—
1/4-20	UNC	.2500	4	H3	2.500	1.000	330261	300216
1/4-20	UNC	.2500	4	H5	2.500	1.000	330278	—
1/4-28	UNF	.2500	4	H3	2.500	1.000	330262	—
5/16-18	UNC	.3125	4	H3	2.719	1.125	330263	300217
5/16-18	UNC	.3125	4	H5	2.719	1.125	330279	—
5/16-24	UNF	.3125	4	H3	2.719	1.125	330264	—
3/8-16	UNC	.3750	4	H3	2.938	1.250	330265	—
3/8-16	UNC	.3750	4	H5	2.938	1.250	330280	—
7/16-14	UNC	.4375	4	H3	3.156	1.438	330267	—
7/16-14	UNC	.4375	4	H5	3.156	1.438	330281	—
1/2-13	UNC	.5000	4	H3	3.375	1.656	330269	—
1/2-13	UNC	.5000	4	H5	3.375	1.656	330283	—
1/2-20	UNF	.5000	4	H5	3.375	1.656	330284	—
3/4-16	UNF	.7500	4	H5	4.250	2.000	330290	—

**Metric - CNC Straight Flute**  
Cast Iron and Harder Materials

Style: **HTHM**

diameter & pitch	d <sub>1</sub> mm	number of flutes	D-limit	L in	I in	order number	
						Oxide over Nitride	TiCN
M5 x 0.8	5.00	3	D4	2.375	.875	330291	—
M6 x 1	6.00	3	D5	2.500	1.000	330292	—
M8 x 1.25	8.00	4	D5	2.719	1.125	330293	—
M10 x 1.5	10.00	4	D6	2.938	1.250	330294	300218
M12 x 1.25	12.00	4	D6	3.375	1.656	330295	—
M12 x 1.75	12.00	4	D6	3.375	1.656	330296	300219
M14 x 1.5	14.00	4	D6	3.594	1.656	330298	—

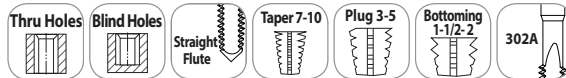


# Machine Tap for Through or Blind Holes

Style: **HTGP**

General Purpose  
Straight Flute

**P** **N**



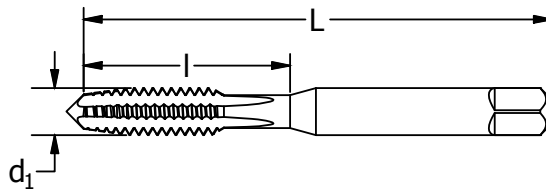
**HSS** **Bright** **TiN** **TiCN** **Black Oxide**

**Note**

Tapping speeds - see page 39-41.

Set consists of one each taper, plug, bottoming chamfer.

\* #0 - #3 and 7/8" and larger: 302 blank style.



order number

diameter & pitch	thrd form	d <sub>1</sub> in	no. flts	H-limit	L in	I in	taper		plug				bottoming		set	
							Bright	TiN	Bright	Oxide	TiN	TiCN	Bright	TiN	Bright	TiN
*0-80	UNF	.0600	2	H1	1.625	0.313	330004	—	330016	—	—	—	330066	—	—	—
*0-80	UNF	.0600	2	H2	1.625	0.313	—	—	300041	—	300047	—	300058	300054	—	—
*1-64	UNC	.0730	2	H1	1.688	0.375	330005	—	330017	—	—	—	330067	—	—	—
*1-72	UNF	.0730	2	H1	1.688	0.375	330006	—	300165	—	—	—	330068	—	—	—
*2-56	UNC	.0860	2	H2	1.750	0.438	—	—	330018	—	—	—	330069	—	—	—
*2-56	UNC	.0860	3	H1	1.750	0.438	330007	—	330019	—	—	—	300264	—	—	—
*2-56	UNC	.0860	3	H2	1.750	0.438	300272	300278	300280	—	300286	330035	300299	300294	341573	174511
*2-64	UNF	.0860	3	H2	1.750	0.438	330008	—	330020	—	—	—	330070	—	—	—
*3-48	UNC	.0990	3	H2	1.813	0.500	300512	339044	300520	—	300526	—	300538	339045	341599	355802
*3-56	UNF	.0990	3	H2	1.813	0.500	300637	339046	300645	—	339047	—	300652	339048	341607	355803
4-40	UNC	.1120	2	H1	1.875	0.563	—	—	330021	—	—	—	—	—	—	—
4-40	UNC	.1120	2	H2	1.875	0.563	—	—	300769	—	—	—	300778	—	—	—
4-40	UNC	.1120	3	H2	1.875	0.563	300819	300815	300827	—	300823	330036	300835	300831	341623	174530
4-48	UNF	.1120	3	H2	1.875	0.563	300934	300930	300942	—	300948	—	300959	300955	341649	174531
5-40	UNC	.1250	2	H2	1.938	0.625	—	—	301007	—	—	—	301015	—	—	—
5-40	UNC	.1250	3	H2	1.938	0.625	301056	301052	301064	—	301060	—	301072	301078	341664	174536
5-44	UNF	.1250	3	H2	1.938	0.625	301171	301177	301189	—	—	—	301197	301193	341672	174537
6-32	UNC	.1380	2	H2	2.000	0.688	—	—	301247	—	—	—	301254	—	—	—
6-32	UNC	.1380	2	H3	2.000	0.688	—	—	301270	—	—	—	301288	—	—	—
6-32	UNC	.1380	3	H2	2.000	0.688	301320	—	301338	—	330062	—	301346	—	341698	—
6-32	UNC	.1380	3	H3	2.000	0.688	301353	301359	301361	330037	301367	330038	301379	301375	341706	174538
6-40	UNF	.1380	3	H2	2.000	0.688	301478	301474	301486	—	301482	—	301494	301490	341714	174539
8-32	UNC	.1640	2	H1	2.125	0.750	—	—	330022	—	—	—	—	—	—	—
8-32	UNC	.1640	2	H2	2.125	0.750	—	—	301544	—	—	—	301551	—	—	—
8-32	UNC	.1640	2	H3	2.125	0.750	—	—	301577	—	—	—	301585	—	—	—
8-32	UNC	.1640	3	H2	2.125	0.750	—	—	301635	—	—	—	301643	—	—	—
8-32	UNC	.1640	3	H3	2.125	0.750	—	—	301668	—	—	—	301676	—	—	—
8-32	UNC	.1640	4	H2	2.125	0.750	301718	—	301726	—	330063	—	301734	—	341730	—
8-32	UNC	.1640	4	H3	2.125	0.750	301742	301748	301759	330039	301755	330040	301767	301763	341748	174544
8-36	UNF	.1640	4	H2	2.125	0.750	301924	301920	301933	—	301938	—	301940	301946	341755	174545

continued on next page

**General Purpose  
Straight Flute**

**Machine Tap for Through or Blind Holes**

**Style: HTGP (continued)**



Machine Taps

Spiral Point Taps

Spiral Flute Taps

Thread Forming Taps

Pipe Taps

Dies

Technical Info

Sets

Index

diameter & pitch	thrd form	d <sub>1</sub> in	no. flts	H-limit	L in	I in	order number									
							taper		plug				bottoming		set	
							Bright	TiN	Bright	Oxide	TiN	TiCN	Bright	TiN	Bright	TiN
10-24 UNC .1900 2 H2 2.375 0.875							—	—	301999	—	—	—	—	—	—	—
10-24 UNC .1900 2 H3 2.375 0.875							—	—	302021	—	—	—	302039	—	—	—
10-24 UNC .1900 3 H3 2.375 0.875							—	—	302112	—	—	—	302120	—	—	—
10-24 UNC .1900 4 H2 2.375 0.875							302161	—	302179	—	—	—	302187	—	341771	—
10-24 UNC .1900 4 H3 2.375 0.875							302195	302191	302203	330041	302209	330042	302211	302217	341789	174508
10-32 UNF .1900 2 H2 2.375 0.875							—	—	302260	—	—	—	302278	—	—	—
10-32 UNF .1900 2 H3 2.375 0.875							—	—	302294	—	—	—	302302	—	—	—
10-32 UNF .1900 3 H3 2.375 0.875							—	—	302385	—	330045	—	302393	—	—	—
10-32 UNF .1900 4 H2 2.375 0.875							302435	—	302443	—	—	—	302450	—	341805	—
10-32 UNF .1900 4 H3 2.375 0.875							302468	302464	302476	330043	302472	330044	302484	302480	341813	174509
12-24 UNC .2160 4 H3 2.375 0.938							302526	302522	302534	—	302530	—	302542	302548	341821	174510
12-28 UNF .2160 4 H3 2.375 0.938							302583	—	302591	—	330046	—	302609	—	341839	—
1/4-20 UNC .2500 2 H3 2.500 1.000							—	—	326004	—	—	—	326012	—	—	—
1/4-20 UNC .2500 3 H2 2.500 1.000							—	—	330024	—	—	—	—	—	—	—
1/4-20 UNC .2500 3 H3 2.500 1.000							—	—	326160	—	—	—	326178	—	—	—
1/4-20 UNC .2500 3 H5 2.500 1.000							—	—	330025	—	—	—	—	—	—	—
1/4-20 UNC .2500 4 H1 2.500 1.000							305008	—	305016	—	—	—	305024	—	330080	—
1/4-20 UNC .2500 4 H2 2.500 1.000							305033	—	305040	—	—	—	305057	—	342514	—
1/4-20 UNC .2500 4 H3 2.500 1.000							305065	305061	305073	330047	305079	330048	305081	305087	342522	174506
1/4-20 UNC .2500 4 H5 2.500 1.000							—	—	305107	—	305103	—	305115	305111	—	—
1/4-20 UNC .2500 4 H11 2.500 1.000							—	—	330026	—	—	—	—	—	—	—
1/4-28 UNF .2500 2 H3 2.500 1.000							—	—	326087	—	—	—	326095	—	—	—
1/4-28 UNF .2500 3 H3 2.500 1.000							—	—	326244	—	326240	—	326251	—	—	—
1/4-28 UNF .2500 4 H2 2.500 1.000							—	—	305198	—	—	—	305206	305209	—	—
1/4-28 UNF .2500 4 H3 2.500 1.000							305214	305210	305222	330049	305228	330051	305230	305236	342530	174507
5/16-18 UNC .3125 2 H3 2.719 1.125							—	—	326285	—	—	—	326293	—	—	—
5/16-18 UNC .3125 3 H3 2.719 1.125							—	—	326368	—	—	—	326376	—	—	—
5/16-18 UNC .3125 4 H2 2.719 1.125							—	—	305370	—	—	—	305388	—	—	—
5/16-18 UNC .3125 4 H3 2.719 1.125							305396	305392	305404	330052	305403	330053	305412	305418	342555	174532
5/16-18 UNC .3125 4 H5 2.719 1.125							—	—	305438	—	—	—	305446	—	—	—
5/16-18 UNC .3125 4 H11 2.719 1.125							—	—	330027	—	—	—	—	—	—	—
5/16-24 UNF .3125 3 H3 2.719 1.125							—	—	326442	—	—	—	326459	—	—	—
5/16-24 UNF .3125 4 H3 2.719 1.125							305511	305517	305529	—	305525	—	305537	305533	342563	174533
5/16-24 UNF .3125 4 H4 2.719 1.125							—	—	305552	—	—	—	305560	—	—	—
3/8-16 UNC .3750 3 H3 2.938 1.250							—	—	326525	—	326521	—	326533	326539	—	—
3/8-16 UNC .3750 4 H2 2.938 1.250							—	—	305677	—	—	—	305685	—	—	—
3/8-16 UNC .3750 4 H3 2.938 1.250							305693	305699	305701	330055	305707	330057	305719	305715	342589	174528
3/8-16 UNC .3750 4 H5 2.938 1.250							—	—	305735	—	305731	—	305743	305749	—	—
3/8-24 UNF .3750 3 H3 2.938 1.250							—	—	326608	—	—	—	326616	—	—	—
3/8-24 UNF .3750 4 H3 2.938 1.250							305818	305814	305826	330058	305822	—	305834	305830	342597	174529
7/16-14 UNC .4375 4 H3 3.156 1.438							305990	305996	306006	—	306002	—	306014	306010	342605	174540
7/16-14 UNC .4375 4 H5 3.156 1.438							—	—	306030	—	306036	—	306048	306044	—	—
7/16-20 UNF .4375 4 H3 3.156 1.438							306113	306119	306121	—	306127	—	306139	306135	342613	174541
7/16-20 UNF .4375 4 H5 3.156 1.438							—	—	306154	—	306157	—	306162	306165	—	—
1/2-13 UNC .5000 3 H3 3.375 1.656							—	—	326681	—	—	—	326699	—	—	—
1/2-13 UNC .5000 4 H1 3.375 1.656							—	—	306246	—	—	—	—	—	—	—
1/2-13 UNC .5000 4 H3 3.375 1.656							306295	306291	306303	330059	306309	330060	306311	306317	342621	174504
1/2-13 UNC .5000 4 H5 3.375 1.656							—	—	306337	—	—	—	306345	306341	—	—
1/2-20 UNF .5000 3 H3 3.375 1.656							—	—	326707	—	—	—	—	—	—	—
1/2-20 UNF .5000 4 H3 3.375 1.656							306444	306440	306451	—	306457	—	306469	306465	342639	174505
1/2-20 UNF .5000 4 H5 3.375 1.656							—	—	306485	—	—	—	—	—	—	—
9/16-12 UNC .5625 4 H3 3.594 1.656							306626	306622	306634	—	306630	—	306642	306648	342647	174546
9/16-18 UNF .5625 4 H3 3.594 1.656							306741	—	306758	—	306754	—	306766	306762	342654	—

continued on next page





Machine Tap for Through or Blind Holes

Style: **HTGP** (continued)

General Purpose  
Straight Flute

diameter & pitch	thrd form	d <sub>1</sub> in	no. flts	H-limit	L in	I in	order number									
							taper		plug		bottoming		set			
							Bright	TiN	Bright	Oxide	TiN	TiCN	Bright	TiN	Bright	TiN
5/8-11	UNC	.6250	4	H3	3.813	1.813	306923	306929	306931	330061	306937	—	306949	306945	342662	174534
5/8-11	UNC	.6250	4	H5	3.813	1.813	—	—	306964	—	—	—	306972	306978	—	—
5/8-18	UNF	.6250	4	H3	3.813	1.813	307046	307042	307053	—	307059	—	307061	307067	342670	174535
11/16-11	UNS	.6875	4	H3	4.031	1.813	307160	—	307178	—	—	—	307186	—	342688	—
11/16-16	UNS	.6875	4	H3	4.031	1.813	307194	—	307202	—	—	—	307210	—	342696	—
3/4-10	UNC	.7500	4	H3	4.250	2.000	307343	307349	307350	—	307356	—	307368	307364	342704	174513
3/4-16	UNF	.7500	4	H3	4.250	2.000	307467	307463	307475	—	307471	—	307483	307489	342712	174514
*7/8-9	UNC	.8750	4	H4	4.468	2.219	307707	307703	307715	—	307711	—	307723	307729	342720	174543
*7/8-14	UNF	.8750	4	H4	4.468	2.219	307822	307828	307830	—	307836	—	307848	307844	342738	174542
*1-8	UNC	1.0000	4	H4	5.125	2.500	308069	308065	308077	—	308073	—	308085	308081	342746	174503
*1-12	UNF	1.0000	4	H4	5.125	2.500	308184	—	308192	—	330065	—	308200	—	—	—
*1-14	UNS	1.0000	4	H4	5.125	2.500	308275	—	308283	—	—	—	308291	—	342761	—
*1-1/8-7	UNC	1.1250	4	H4	5.438	2.563	308424	—	308432	—	—	—	308440	—	—	—
*1-1/8-12	UNF	1.1250	4	H4	5.438	2.563	308457	—	308465	—	—	—	308473	—	—	—
*1-1/4-7	UNC	1.2500	4	H4	5.750	2.563	308549	—	308556	—	—	—	308564	—	—	—
*1-1/4-12	UNF	1.2500	6	H4	5.750	2.563	308572	—	308580	—	—	—	308598	—	—	—
*1-3/8-6	UNC	1.3750	4	H4	6.063	3.000	—	—	308671	—	—	—	—	—	—	—
*1-3/8-12	UNF	1.3750	6	H4	6.063	3.000	—	—	308705	—	—	—	308713	—	—	—
*1-1/2-6	UNC	1.5000	4	H4	6.375	3.000	308788	—	308796	—	—	—	308804	—	—	—
*1-1/2-12	UNF	1.5000	6	H4	6.375	3.000	308812	—	308820	—	—	—	308838	—	—	—

Style: **HTGP**

Metric - General Purpose  
Straight Flute

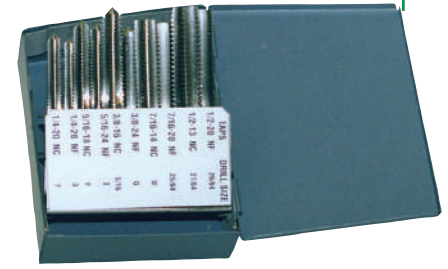
diameter & pitch	d <sub>1</sub> mm	no. flts	D-limit	L in	I in	order number							
						taper		plug		bottoming		set	
						Bright	TiN	Bright	TiN	Bright	TiN	Bright	TiN
M1.6 x 0.35	1.60	2	D3	1.625	.313	—	—	328018	—	330071	—	—	—
M2 x 0.4	2.00	3	D3	1.750	.438	328067	328684	328075	328685	328083	328686	174516	343502
M2.5 x 0.45	2.50	3	D3	1.813	.500	328158	328688	328166	328689	328174	328690	174559	343503
M3 x 0.5	3.00	3	D3	1.938	.625	328182	328691	328190	328188	328208	328205	174519	343504
M3.5 x 0.6	3.50	3	D4	2.000	.688	328240	—	328257	328693	328265	—	174560	—
M4 x 0.7	4.00	4	D4	2.125	.750	328273	328695	328281	328287	328299	328295	174520	343506
M4.5 x 0.75	4.50	4	D4	2.375	.875	328331	—	328349	328697	328356	—	174561	—
M5 x 0.8	5.00	4	D4	2.375	.875	328364	328698	328372	328378	328380	328386	174521	343508
M6 x 1.0	6.00	4	D5	2.500	1.000	328422	328699	328430	328436	328448	328444	174522	343509
M7 x 1.0	7.00	4	D5	2.719	1.125	330009	—	328497	—	330072	—	—	—
M8 x 1.0	8.00	4	D5	2.719	1.125	330010	—	330028	—	330073	—	—	—
M8 x 1.25	8.00	4	D5	2.719	1.125	328547	328703	328554	328550	328562	328568	174524	343511
M10 x 1.25	10.00	4	D5	2.938	1.250	330011	—	330029	—	330074	—	—	—
M10 x 1.5	10.00	4	D6	2.938	1.250	328604	328704	328612	328618	328620	328626	174548	343512
M12 x 1.25	12.00	4	D5	3.375	1.656	330012	—	330030	—	330075	—	—	—
M12 x 1.75	12.00	4	D6	3.375	1.656	328661	328705	328679	328675	328687	328683	174549	343513
M14 x 1.5	14.00	4	D6	3.594	1.656	330013	—	330031	—	330076	—	—	—
M14 x 2.0	14.00	4	D7	3.594	1.656	328752	328706	328760	328707	328778	328708	174550	343514
M16 x 1.5	16.00	4	D6	3.813	1.813	330014	—	330032	—	330077	—	—	—
M16 x 2.0	16.00	4	D7	3.813	1.813	328810	328709	328828	328710	328836	328711	174551	343515
M18 x 1.5	18.00	4	D6	4.031	1.813	330015	—	330033	—	—	—	—	—
M18 x 2.5	18.00	4	D7	4.031	1.813	328877	—	328885	—	328893	—	174552	—
M20 x 1.5	20.00	4	D6	4.469	2.000	—	—	330034	—	330078	—	—	—
M20 x 2.5	20.00	4	D7	4.469	2.000	328935	—	328943	328716	328950	328717	174553	—
M24 x 3.0	24.00	4	D8	4.906	2.219	329057	—	329065	328719	329073	328720	—	—
M30 x 3.5	30.00	4	D9	5.438	2.563	—	—	329180	—	—	—	—	—



Machine Taps

**303SET Plug Hand Tap Set (10-Piece)**

style	sizes	order number
H3, 4 Flute	1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20	330082



Spiral Point Taps

**HT18 Jobber Drill, Plug Hand Tap Set (18-Piece)**

style	sizes	order number
Jobber (Bright)	5/16, 27/64, LET-F, LET-U, #7, #21, #25, #29, #36	330083
H3, 4 Flute	1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 6-32, 8-32, 10-24, 10-32	

Spiral Flute Taps

**HT18T Jobber Drill, Plug Hand Tap Set - TiN (18-Piece)**

style	sizes	order number
Jobber (Titanium)	5/16, 27/64, #7, #21, #25, #29, #36, LET-F, LET-U	330084
H3, 4 Flute	1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 6-32, 8-32, 10-24, 10-32	

Thread Forming Taps

**GT18 Jobber Drill, Plug Spiral PT Tap Set (18-Piece)**

style	sizes	order number
Jobber (Bright)	5/16, 27/64, LET-F, LET-U, #7, #21, #25, #29, #36	330085
H3, 2 Flute	1/4-20, 5/16-18, 6-32, 8-32, 10-24, 10-32	
H3, 3 Flute	3/8-16, 7/16-14, 1/2-13	

Pipe Taps

**HT36 Jobber Drill, Plug NC/NF Hand Tap Set (36-Piece)**

style	sizes	order number
Jobber (Bright)	5/16, 25/64, 27/64, 29/64, LET-F, LET-I, LET-Q, LET-U, #3, #7, #15, #16, #21, #25, #29, #33, #36	330086
H2, 3 Flute	6-40	
H2, 4 Flute	8-36	
H3, 3 Flute	6-32	
H3, 4 Flute	1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 8-32, 10-24, 10-32, 12-24, 12-28,	

Dies

Technical Info

**68 Screw Machine Drill, Plug Hand Tap Set (20-Piece)**

style	sizes	order number
Screw Mach (Bright)	5/16, 27/64, #7, #25, #29, #36, #39, #44, LET-F, LET-U	330087
H2, 3 Flute	4-40, 5-40	
H3, 3 Flute	6-32	
H3, 4 Flute	1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 8-32, 10-24	

Sets

**HM18 Jobber Drill, Plug Hand Tap Set (18-Piece)**

style	sizes	order number
Jobber (Black Oxide)	2.05, 2.50, 2.90, 3.30, 4.20, 5.00, 6.70, 8.5, 10.20	330088
D3, 3 Flute	M2.5x0.45, M3x0.5	
D4, 3 Flute	M3.5x0.6, M4x0.7,	
D4, 4 Flute	M5x0.8	
D5, 4 Flute	M6X1.0, M8X1.25,	
D6, 4 Flute	M10x1.5, M12x1.75	

Index



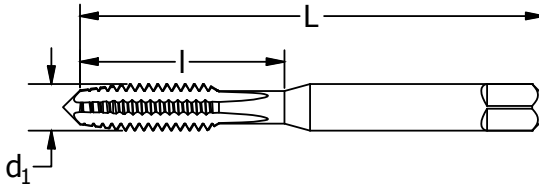
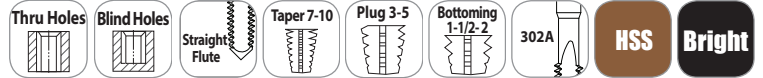
Machine Tap for Through or Blind Holes

Style: **HTGPL**

General Purpose Left-Hand  
Straight Flute



**Note**  
Tapping speeds - see  
page 39-41.

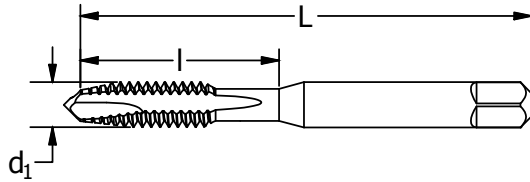


diameter & pitch	thread form	d <sub>1</sub> in	number of flutes	H-limit	L in	l in	order number			
							taper Bright	plug Bright	bottoming Bright	set taper/plug/bottom
6-32	UNC	.1380	3	H3	2.000	.688	—	313010	313028	—
8-32	UNC	.1640	4	H3	2.125	.750	313036	313044	313051	341912
10-24	UNC	.1900	4	H3	2.375	.875	313069	313077	313085	—
10-32	UNF	.1900	4	H3	2.375	.875	313093	313102	313119	341938
1/4-20	UNC	.2500	4	H3	2.500	1.000	—	317516	—	—
1/4-28	UNF	.2500	4	H3	2.500	1.000	317532	317540	317557	318779
5/16-18	UNC	.3125	4	H3	2.719	1.125	—	317573	—	—
5/16-24	UNF	.3125	4	H3	2.719	1.125	—	317607	—	—
3/8-16	UNC	.3750	4	H3	2.938	1.250	—	317631	—	—
3/8-24	UNF	.3750	4	H3	2.938	1.250	—	317664	—	—
7/16-20	UNF	.4375	4	H3	3.156	1.438	—	317722	—	—
1/2-13	UNC	.5000	4	H3	3.375	1.656	—	317755	—	—
1/2-20	UNF	.5000	4	H3	3.375	1.656	—	317789	—	—
5/8-18	UNF	.6250	4	H3	3.813	1.813	—	317904	—	—
3/4-10	UNC	.7500	4	H3	4.250	2.000	—	317995	—	—
3/4-16	UNF	.7500	4	H3	4.250	2.000	—	318027	—	—

- Machine Taps
- Spiral Point Taps
- Spiral Flute Taps
- Thread Forming Taps
- Pipe Taps
- Dies
- Technical Info
- Sets
- Index



**Note**  
Tapping speeds - see page 39-41.



diameter & pitch	thread form	d <sub>1</sub> in	number of flutes	H-limit	L in	I in	order number
4-40	UNC	.1120	2	H2	1.875	.563	330302
6-32	UNC	.1380	2	H3	2.000	.688	330309
8-32	UNC	.1640	3	H3	2.125	.750	330310
8-32	UNC	.1640	3	H5	2.125	.750	330333
10-24	UNC	.1900	3	H3	2.375	.875	330311
10-32	UNF	.1900	3	H3	2.375	.875	330312
1/4-20	UNC	.2500	3	H3	2.500	1.000	330313
1/4-20	UNC	.2500	3	H5	2.500	1.000	330336
5/16-18	UNC	.3125	3	H3	2.719	1.125	330315
5/16-24	UNF	.3125	3	H3	2.719	1.125	330316
3/8-16	UNC	.3750	3	H3	2.938	1.250	330317
1/2-13	UNC	.5000	3	H3	3.375	1.656	330321

## Tech Tip

### How to request Made-to-Order taps:

#### Information required for every order:

- quantity
- ordering number

#### Information required for some orders, depending on tool style:

- exact tool size
- threads per inch
- pitch
- thread form
- right-hand or left-hand configuration
- limit
- pitch diameter
- class of fit
- chamfer
- number of chamfered threads
- chamfer angle
- number of lube grooves
- short projections

#### Other features available:

- surface treatment
- special hook
- male centers removed
- special back tape
- recessed neck
- shank flats
- special shank diameter
- special rake
- thread relief
- interrupted threads
- controlled root
- ETTCO notch
- shank grooves