

TAP RECOMMENDATIONS & THREAD LIMITS

For Classes 2B & 3B – Machine Screw & Fractional Sizes

Size	Recommended Tap for Class of Thread						Tap Recommendations and Thread Limits		
	Class 2B			Class 3B			Minimum All Classes (Basic)	Maximum Class 2B	Maximum Class 3B
	H Limit	Minimum	Maximum	H Limit	Minimum	Maximum			
#0-80 UNF	H2	.0524	.0529	H1	.0519	.0524	.0519	.0542	.0536
#1-64 UNC	H2	.0634	.0639	H1	.0629	.0634	.0629	.0655	.0648
#1-72 UNF	H2	.0645	.0650	H1	.0640	.0645	.0640	.0665	.0659
#2-56 UNC	H2	.0749	.0754	H1	.0744	.0749	.0744	.0772	.0765
#2-64 UNF	H2	.0764	.0769	H1	.0759	.0764	.0759	.0786	.0779
#3-48 UNC	H2	.0860	.0865	H1	.0855	.0860	.0855	.0885	.0877
#3-56 UNF	H2	.0879	.0884	H1	.0874	.0879	.0874	.0902	.0895
#4-40 UNC	H2	.0963	.0968	H2	.0963	.0968	.0958	.0991	.0982
#4-48 UNF	H2	.0990	.0995	H1	.0985	.0990	.0985	.1016	.1008
#5-40 UNC	H2	.1093	.1098	H2	.1093	.1098	.1088	.1121	.1113
#5-44 UNF	H2	.1107	.1112	H1	.1102	.1107	.1102	.1134	.1126
#6-32 UNC	H3	.1187	.1192	H2	.1182	.1187	.1177	.1214	.1204
#6-40 UNF	H2	.1223	.1228	H2	.1223	.1228	.1218	.1252	.1243
#8-32 UNC	H3	.1447	.1452	H2	.1442	.1447	.1437	.1475	.1465
#8-36 UNF	H2	.1465	.1470	H2	.1465	.1470	.1460	.1496	.1487
#10-24 UNC	H3	.1639	.1644	H3	.1639	.1644	.1629	.1672	.1661
#10-32 UNF	H3	.1707	.1712	H2	.1702	.1707	.1697	.1736	.1726
#12-24 UNC	H3	.1899	.1904	H3	.1899	.1904	.1889	.1933	.1922
#12-28 UNF	H3	.1938	.1942	H3	.1938	.1942	.1928	.1970	.1959
1/4-20 UNC	H5	.2195	.2200	H3	.2185	.2190	.2175	.2224	.2211
1/4-28 UNF	H4	.2283	.2288	H3	.2278	.2283	.2268	.2311	.2300
5/16-18 UNC	H5	.2784	.2789	H3	.2774	.2779	.2764	.2817	.2803
5/16-24 UNF	H4	.2869	.2874	H3	.2864	.2869	.2854	.2902	.2890
3/8-16 UNC	H5	.3364	.3369	H3	.3354	.3359	.3344	.3401	.3387
3/8-24 UNF	H4	.3494	.3499	H3	.3489	.3494	.3479	.3528	.3516
7/16-14 UNC	H5	.3931	.3936	H3	.3921	.3926	.3911	.3972	.3957
7/16-20 UNF	H5	.4070	.4075	H3	.4060	.4065	.4050	.4104	.4091
1/2-13 UNC	H5	.4520	.4525	H3	.4510	.4515	.4500	.4565	.4548
1/2-20 UNF	H5	.4695	.4700	H3	.4685	.4690	.4675	.4731	.4717
9/16-12 UNC	H5	.5104	.5109	H3	.5094	.5099	.5084	.5152	.5135
9/16-18 UNF	H5	.5284	.5289	H3	.5274	.5279	.5264	.5323	.5308
5/8-11 UNC	H5	.5680	.5685	H3	.5670	.5675	.5660	.5732	.5714
5/8-18 UNF	H5	.5909	.5914	H3	.5899	.5904	.5889	.5949	.5934
3/4-10 UNC	H5	.6870	.6875	H5	.6870	.6875	.6850	.6927	.6907
3/4-16 UNF	H5	.7114	.7119	H3	.7104	.7109	.7094	.7159	.7143
7/8-9 UNC	H6	.8053	.8058	H4	.8043	.8048	.8028	.8110	.8089
7/8-14 UNF	H6	.8311	.8316	H4	.8301	.8306	.8286	.8356	.8339
1-8 UNC	H6	.9213	.9218	H4	.9203	.9208	.9188	.9276	.9254
1-12 UNF	H6	.9484	.9489	H4	.9474	.9479	.9459	.9535	.9516
1-14 UNS	H6	.9561	.9566	H4	.9551	.9556	.9536	.9609	.9590
1 1/8-7 UNC	H8	1.0352	1.0357	H4	1.0332	1.0337	1.0322	1.0416	1.0393
1 1/8-12 UNF	H6	1.0739	1.0749	H4	1.0719	1.0729	1.0709	1.0787	1.0768
1 1/4-7 UNC	H8	1.1622	1.1632	H4	1.1582	1.1592	1.1572	1.1668	1.1644
1 1/4-12 UNF	H6	1.1989	1.1999	H4	1.1969	1.1979	1.1959	1.2039	1.2019
1 3/8-6 UNC	H8	1.2717	1.2727	H4	1.2677	1.2687	1.2667	1.2771	1.2745
1 3/8-12 UNF	H6	1.3239	1.3249	H4	1.3219	1.3229	1.3209	1.3291	1.3270
1 1/2-6 UNC	H8	1.3967	1.3977	H4	1.3927	1.3937	1.3917	1.4022	1.3996
1 1/2-12 UNF	H6	1.4489	1.4499	H4	1.4469	1.4479	1.4459	1.4542	1.4522