

# TECHNICAL DATA

## TAP THREAD LIMIT STANDARDS AND DIMENSIONS

### Machine Screw Sizes

Table 329

Size	Threads Per Inch			Major Diameter			Basic Pitch Dia.	Pitch Diameter Limits							
	NC UNC	NF UNF	NS UNS	Basic	Min.	Max.		H1 Limit		H2 Limit		H3 Limit		H7 Limit	
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
0	-	80	-	.0600	.0605	.0616	.0519	.0519	.0524	.0524	.0529	-	-	-	-
1	64	-	-	.0730	.0736	.0750	.0629	.0629	.0634	.0634	.0639	-	-	-	-
1	-	72	-	.0730	.0736	.0748	.0640	.0640	.0645	.0645	.0650	-	-	-	-
2	56	-	-	.0860	.0867	.0883	.0744	.0744	.0749	.0749	.0754	-	-	-	-
2	-	64	-	.0860	.0866	.0880	.0759	-	-	.0764	.0769	-	-	-	-
3	48	-	-	.0990	.0999	.1017	.0855	.0855	.0860	.0860	.0865	-	-	-	-
3	-	56	-	.0990	.0997	.1013	.0874	.0874	.0879	.0879	.0884	-	-	-	-
4	-	-	36	.1120	.1135	.1156	.0940	-	-	.0945	.0950	-	-	-	-
4	40	-	-	.1120	.1133	.1152	.0958	.0958	.0963	.0963	.0968	-	-	-	-
4	-	48	-	.1120	.1129	.1147	.0985	.0985	.0990	.0990	.0995	-	-	-	-
5	40	-	-	.1250	.1263	.1282	.1088	.1088	.1093	.1093	.1098	-	-	-	-
5	-	44	-	.1250	.1263	.1280	.1102	-	-	.1107	.1112	-	-	-	-
6	32	-	-	.1380	.1401	.1421	.1177	.1177	.1182	.1182	.1187	.1187	.1192	.1207	.1212
6	-	40	-	.1380	.1393	.1412	.1218	.1218	.1223	.1223	.1228	-	-	-	-
8	32	-	-	.1640	.1661	.1681	.1437	.1437	.1442	.1442	.1447	.1447	.1452	.1467	.1472
8	-	36	-	.1640	.1655	.1676	.1460	-	-	.1465	.1470	-	-	-	-
10	24	-	-	.1900	.1927	.1954	.1629	.1629	.1634	.1634	.1639	.1639	.1644	.1659	.1664
10	-	32	-	.1900	.1921	.1941	.1697	.1697	.1702	.1702	.1707	.1707	.1712	.1727	.1732
12	24	-	-	.2160	.2187	.2214	.1889	-	-	-	-	-	.1899	.1904	-
12	-	28	-	.2160	.2183	.2206	.1928	-	-	-	-	-	.1938	.1943	-

### Fractional Sizes

Table 327

Size	Threads Per Inch			Major Diameter			Basic Pitch Dia.	Pitch Diameter Limits											
	NC UNC	NF UNF	NS UNS	Basic	Min.	Max.		H1 Limit		H2 Limit		H3 Limit		H4 Limit		H5 Limit		H6 Limit	
								Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4	20	-	-	.2500	.2533	.2565	.2175	.2175	.2180	.2180	.2185	.2185	.2190	-	-	.2195	.2200	-	-
1/4	-	28	-	.2500	.2523	.2546	.2268	.2268	.2273	.2273	.2278	.2278	.2283	.2283	.2288	-	-	-	-
5/16	18	-	-	.3125	.3161	.3197	.2764	.2764	.2769	.2769	.2774	.2774	.2779	-	-	.2784	.2789	-	-
5/16	-	24	-	.3125	.3152	.3179	.2854	.2854	.2859	.2859	.2864	.2864	.2869	.2869	.2874	-	-	-	-
3/8	16	-	-	.3750	.3790	.3831	.3344	.3344	.3349	.3349	.3354	.3354	.3359	-	-	.3364	.3369	-	-
3/8	-	24	-	.3750	.3777	.3804	.3479	.3479	.3484	.3484	.3489	.3489	.3494	.3494	.3499	-	-	-	-
7/16	14	-	-	.4375	.4422	.4468	.3911	-	-	.3916	.3921	.3921	.3926	-	-	.3931	.3936	-	-
7/16	-	20	-	.4375	.4408	.4440	.4050	-	-	-	-	.4060	.4065	-	-	.4070	.4075	-	-
1/2	13	-	-	.5000	.5050	.5100	.4500	.4500	.4505	.4505	.4510	.4510	.4515	-	-	.4520	.4525	-	-
1/2	-	20	-	.5000	.5033	.5065	.4675	.4675	.4680	.4680	.4685	.4685	.4690	-	-	.4695	.4700	-	-
9/16	12	-	-	.5625	.5679	.5733	.5084	-	-	-	-	.5094	.5099	-	-	.5104	.5109	-	-
9/16	-	18	-	.5625	.5661	.5697	.5264	-	-	.5274	.5274	.5279	.5279	-	-	.5284	.5289	-	-
5/8	11	-	-	.6250	.6309	.6368	.5660	-	-	.5665	.5670	.5670	.5675	-	-	.5680	.5685	-	-
5/8	-	18	-	.6250	.6286	.6322	.5889	-	-	.5894	.5899	.5899	.5904	-	-	.5909	.5914	-	-
11/16	-	-	11	.6875	.6934	.6993	.6285	-	-	-	-	.6295	.6300	-	-	-	-	-	-
11/16	-	-	16	.6875	.6915	.6956	.6469	-	-	-	-	.6479	.6484	-	-	-	-	-	-
3/4	10	-	-	.7500	.7565	.7630	.6850	-	-	.6855	.6860	.6860	.6865	-	-	.6870	.6875	-	-
3/4	-	16	-	.7500	.7540	.7581	.7094	.7094	.7099	.7099	.7104	.7104	.7109	-	-	.7114	.7119	-	-
7/8	9	-	-	.8750	.8822	.8894	.8028	-	-	-	-	-	-	.8043	.8048	-	-	.8053	.8058
7/8	-	14	-	.8750	.8797	.8843	.8286	-	-	.8291	.8296	-	-	.8301	.8306	-	-	-	-
1	8	-	-	1.0000	1.0081	1.0162	.9188	-	-	-	-	-	-	.9203	.9208	-	-	.9213	.9218
1	-	12	-	1.0000	1.0054	1.0108	.9459	-	-	-	-	-	-	.9474	.9479	-	-	-	-
1	-	-	14	1.0000	1.0047	1.0093	.9536	-	-	-	-	-	-	.9551	.9556	-	-	-	-

GENERAL NOTE: All Dimensions are given in inches.

Lead Tolerance: A maximum lead deviation of ±0.0005 in. within any two threads not farther apart than 1 in. is permitted.

