

Thread Pitch Chart

Nominal Size, Threads per inch and Thread Series		A _s	A _r	A _s		A _n	
		Tensile Stress Area sq. in.	Thread Root Area sq. in.	Thread Stripping Areas sq. in. per in. of Engagement			
				External Thread		Internal Thread	
				Class 2A	Class 3A	Class 2B	Class 3B
0 - 80	UNF	0.00180	0.00151	0.0673	0.0748	0.106	0.116
1 - 64	UNC	0.00263	0.00218	0.0835	0.0913	0.133	0.144
1 - 72	UNF	0.00278	0.00237	0.0831	0.0922	0.130	0.142
2 - 56	UNC	0.00370	0.00310	0.101	0.109	0.162	0.174
2 - 64	UNF	0.00394	0.00339	0.101	0.110	0.156	0.170
3 - 48	UNC	0.00487	0.00406	0.118	0.127	0.191	0.204
3 - 56	UNF	0.00523	0.00451	0.118	0.130	0.186	0.201
4 - 40	UNC	0.00604	0.00496	0.138	0.147	0.221	0.235
4 - 48	UNF	0.00661	0.00566	0.140	0.151	0.216	0.232
5 - 40	UNC	0.00796	0.00672	0.161	0.172	0.248	0.263
5 - 44	UNF	0.00830	0.00716	0.162	0.173	0.246	0.262
6 - 32	UNC	0.00909	0.00745	0.180	0.189	0.281	0.296
6 - 40	UNF	0.01015	0.00874	0.182	0.197	0.274	0.292
8 - 32	UNC	0.0140	0.0120	0.226	0.239	0.334	0.353
8 - 36	UNF	0.0147	0.0128	0.227	0.244	0.331	0.350
10 - 24	UNC	0.0175	0.0145	0.263	0.227	0.401	0.420
10 - 32	UNF	0.0200	0.0175	0.275	0.289	0.389	0.411
12 - 24	UNC	0.0242	0.0206	0.312	0.327	0.458	0.478
12 - 28	UNF	0.0258	0.0226	0.317	0.336	0.450	0.474
1/4 - 20	UNC	0.0318	0.0269	0.368	0.385	0.539	0.563
1/4 - 28	UNF	0.0364	0.0326	0.373	0.403	0.521	0.549
5/16 - 18	UNC	0.0524	0.0454	0.470	0.502	0.682	0.710
5/16 - 24	UNF	0.0580	0.0524	0.479	0.520	0.663	0.696
3/8 - 16	UNC	0.0775	0.0678	0.576	0.619	0.828	0.860
3/8 - 24	UNF	0.0878	0.0809	0.578	0.644	0.800	0.387
7/16 - 14	UNC	0.106	0.0933	0.677	0.734	0.981	1.01
7/16 - 20	UNF	0.119	0.109	0.685	0.761	0.908	0.991
1/2 - 13	UNC	0.142	0.126	0.779	0.854	1.12	1.16
1/2 - 20	UNF	0.160	0.149	0.799	0.887	1.08	1.13
9/16 - 12	UNC	0.182	0.162	0.893	0.974	1.27	1.32
9/16 - 18	UNF	0.203	0.189	0.901	1.02	1.23	1.29
5/8 - 11	UNC	0.226	0.202	0.998	1.09	1.42	1.47
5/8 - 18	UNF	0.256	0.240	0.998	1.13	1.37	1.43
3/4 - 10	UNC	0.334	0.302	1.21	1.34	1.72	1.78
3/4 - 16	UNF	0.373	0.351	1.23	1.38	1.66	1.73

7/8 - 9	UNC	0.462	0.419	1.43	1.58	2.03	2.09
7/8 - 14	UNF	0.0509	0.480	1.44	1.63	1.96	2.03
1 - 8	UNC	0.606	0.551	1.66	1.82	2.33	2.40
1 - 12	UNF	0.663	0.625	1.66	1.87	2.27	2.35
1 - 14	UNS	0.680	0.646	1.67	1.89	2.23	2.33
1 - 1/8 - 6	UNC	0.763	0.693	1.88	2.04	2.65	2.72
1 - 1/8 - 8	UN	0.790	0.728	1.89	2.07	2.63	2.70
1 - 1/4 - 7	UNC	0.969	0.890	2.11	2.30	2.94	3.02
1 - 1/4 - 8	UN	1.000	0.929	2.12	2.33	2.92	3.00
1 - 3/8 - 6	UNC	1.16	1.05	2.34	2.52	3.27	3.35
1 - 3/8 - 8	UN	1.23	1.16	2.34	2.58	3.21	3.30
1 - 1/2 - 6	UNC	1.41	1.29	2.58	2.77	3.57	3.65
1 - 1/2 - 8	UN	1.49	1.41	2.57	2.84	3.50	3.61
1 - 5/8 - 8	UN	1.78	1.68	2.80	3.10	3.79	3.91
1 - 3/4 - 5	UNC	1.90	1.74	3.04	3.24	4.20	4.30
1 - 3/4 - 8	UN	2.08	1.98	3.03	3.35	4.08	4.21
1 - 7/8 - 8	UN	2.41	2.30	3.25	3.63	4.37	4.50

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