

Table 371

TABLE OF THREAD ELEMENTS

Three Wire System of Measurement

This table may be used in converting Pitch Diameters into measurements over wire using the Three Wire System of Measurement.

Threads Per Inch	Pitch	Diameter of "Best-Size" Wires	Constant for "Best-Size" Wires	Single Depth Nat. Form Thread	Width of Flat on Crest and Root NC and NF	Single Depth V-Thread
4	.250000	.1443375	.216506	.162379	.0312	.216506
4½	.222222	.1282998	.192449	.144337	.0278	.192449
5	.200000	.1154700	.173205	.129903	.0250	.173205
5½	.181818	.1049726	.157458	.118094	.0227	.157458
6	.166666	.0962246	.144336	.108253	.0208	.144336
7	.142857	.0824784	.123717	.092788	.0179	.123717
8	.125000	.0721687	.108253	.081189	.0156	.108253
9	.111111	.0641499	.096224	.072168	.0139	.096224
10	.100000	.0577350	.086602	.064951	.0125	.086602
11	.090909	.0524863	.078729	.059047	.0114	.078729
11½	.086956	.0502040	.075306	.056479	.0108	.075306
12	.083333	.0481123	.072168	.054126	.0104	.072168
13	.076923	.0444114	.066617	.049963	.0096	.066617
14	.071428	.0412389	.061858	.046394	.0089	.061858
16	.062500	.0360843	.054126	.040594	.0078	.054126
18	.055555	.0320746	.048112	.036084	.0069	.048112
19	.052631	.0303865	.045579	.034185	.0065	.045579
20	.050000	.0288675	.043301	.032475	.0062	.043301
22	.045454	.0262428	.039364	.029523	.0057	.039364
24	.041666	.0240558	.036083	.027063	.0052	.036083
27	.037037	.0213833	.032074	.024056	.0046	.032074
28	.035714	.0206194	.030929	.023197	.0045	.030929
30	.033333	.0192448	.028867	.021650	.0042	.028867
32	.031250	.0180421	.027063	.020297	.0039	.027063
34	.029411	.0169804	.025470	.019103	.0037	.025470
36	.027777	.0160370	.024055	.018042	.0035	.024055
40	.025000	.0144337	.021650	.016237	.0031	.021650
44	.022727	.0131214	.019682	.014761	.0028	.019682
48	.020833	.0120279	.018041	.013531	.0026	.018041
50	.020000	.0115470	.017320	.012990	.0025	.017320
56	.017857	.0103097	.015464	.011598	.0022	.015464
64	.015625	.0090210	.013531	.010148	.0020	.013531
72	.013888	.0080182	.012027	.009021	.0017	.012027
80	.012500	.0072168	.010825	.008118	.0016	.010825