

# Tom's useful info: Pitch Conversions

## Threads per inch, Pitch in inches, Pitch in mm

example 1/4-20" taps the

20 signifies "20 threads per inch" =.050 pitch ( 1 divided by 20 )

or if you are measuring in metric

it should be 1.27mm

Threads per inch	Pitch in inches	Pitch in mm
127	0.00787	0.200
120	0.00833	0.212
112	0.00893	0.227
101.6	0.00984	0.250
100	0.01000	0.254
96	0.01042	0.265
90	0.01111	0.282
84.67	0.01181	0.300
80	0.01250	0.318
72.57	0.01378	0.350
72	0.01389	0.353
64	0.01563	0.397
63.5	0.01575	0.400
60	0.01667	0.423
56.44	0.01772	0.450
56	0.01786	0.454
50.8	0.01969	0.500
48	0.02083	0.529
44	0.02273	0.577
42.33	0.02362	0.600
40	0.02500	0.635
36.29	0.02756	0.700
36	0.02778	0.706
34	0.02941	0.747
33.87	0.02952	0.750
32	0.03125	0.794
31.75	0.03150	0.800

30	0.03333	0.847
28.22	0.03544	0.900
28	0.03571	0.907
27	0.03704	0.941
26	0.03846	0.977
25.4	0.03937	1.000
24	0.04167	1.058
22	0.04545	1.155
20.32	0.04921	1.250
20	0.05000	1.270
19	0.05263	1.337
18	0.05556	1.411
16.93	0.05907	1.500
16	0.06250	1.588
14.51	0.06892	1.751
14	0.07143	1.814
13	0.07692	1.954
12.7	0.07874	2.000
12	0.08333	2.117
11.50	0.08696	2.209
11	0.09091	2.309
10.16	0.09843	2.500
10	0.10000	2.540
9	0.11111	2.822
8.47	0.11806	2.999
8	0.12500	3.175
7.26	0.13774	3.499
7	0.14286	3.629
6.35	0.15748	4.000
6	0.16667	4.233
5.64	0.17730	4.504
5.08	0.19685	5.000
5	0.20000	5.080
4.62	0.21645	5.498
4.5	0.22222	5.644
4.23	0.23641	6.005
4	0.25000	6.350
3	0.33333	8.467
2	0.50000	12.700