

DECIMAL EQUIVALENT CONVERSION CHART

Size	Decimal Inches	Size	Decimal Inches	Size	Decimal Inches	Size	Decimal Inches	Size	Decimal Inches	Size	Decimal Inches
80	.0135	1/16	.0625	3.30mm	.1299	5.40mm	.2126	O	.3160	33/64	.5156
0.35mm	.0138	1.60mm	.0630	3.40mm	.1339	3	.2130	8.10mm	.3189	17/64	.5312
79	.0145	52	.0635	29	.1360	5.50mm	.2165	8.20mm	.3228	13.50mm	.5315
1/64	.0156	1.65mm	.0650	3.50mm	.1378	7/32	.2188	P	.3230	35/64	.5469
0.40mm	.0157	1.70mm	.0669	28	.1405	5.60mm	.2205	8.25mm	.3248	14.00mm	.5512
78	.0160	51	.0670	9/64	.1406	2	.2210	8.30mm	.3268	9/16	.5625
0.45mm	.0177	1.75mm	.0689	3.60mm	.1417	5.70mm	.2244	21/64	.3281	14.50mm	.5709
77	.0180	50	.0700	27	.1440	5.75mm	.2264	8.40mm	.3307	37/64	.5781
0.50mm	.0197	1.80mm	.0709	3.70mm	.1457	1	.2280	Q	.3320	15.00mm	.5906
76	.0200	1.85mm	.0728	26	.1470	5.80mm	.2283	8.50mm	.3346	19/32	.5932
75	.0210	49	.0730	3.75mm	.1476	5.90mm	.2323	8.60mm	.3386	39/64	.6094
0.55mm	.0217	1.90mm	.0748	25	.1495	A	.2340	R	.3390	15.50mm	.6102
74	.0225	48	.0760	3.80mm	.1496	15/64	.2344	8.70mm	.3425	5/8	.6250
0.60mm	.0236	1.95mm	.0768	24	.1520	6.00mm	.2362	11/32	.3438	16.00mm	.6299
73	.0240	5/64	.0781	3.90mm	.1535	B	.2380	8.75mm	.3445	41/64	.6406
72	.0250	47	.0785	23	.1540	6.10mm	.2402	8.80mm	.3465	16.50mm	.6496
0.65mm	.0256	2.00mm	.0787	5/32	.1562	C	.2420	S	.3480	21/32	.6562
71	.0260	2.05mm	.0807	22	.1570	6.20mm	.2441	8.90mm	.3504	17.00mm	.6693
0.70mm	.0276	46	.0810	4.00mm	.1575	D	.2460	9.00mm	.3543	43/64	.6719
70	.0280	45	.0820	21	.1590	6.25mm	.2461	T	.3580	11/16	.6875
69	.0292	2.10mm	.0827	20	.1610	6.30mm	.2480	9.10mm	.3583	17.50mm	.6890
0.75mm	.0295	2.15mm	.0846	4.10mm	.1614	E	.2500	23/64	.3594	45/64	.7031
68	.0310	44	.0860	4.20mm	.1654	1/4	.2500	9.20mm	.3622	18.00mm	.7087
1/32	.0312	2.20mm	.0866	19	.1660	6.40mm	.2520	9.25mm	.3642	23/32	.7188
0.80mm	.0315	2.25mm	.0886	4.25mm	.1673	6.50mm	.2559	9.30mm	.3661	18.50mm	.7283
67	.0320	43	.0890	4.30mm	.1693	F	.2570	U	.3680	47/64	.7344
66	.0330	2.30mm	.0906	18	.1695	6.60mm	.2598	9.40mm	.3701	19.00mm	.7480
0.85mm	.0335	2.35mm	.0925	11/64	.1719	G	.2610	9.50mm	.3740	3/4	.7500
65	.0350	42	.0935	17	.1730	6.70mm	.2638	3/8	.3750	49/64	.7656
0.90mm	.0354	3/32	.0938	4.40mm	.1732	17/64	.2656	V	.3770	19.50mm	.7677
64	.0360	2.40mm	.0945	16	.1770	6.75mm	.2657	9.60mm	.3780	25/32	.7812
63	.0370	41	.0960	4.50mm	.1772	H	.2660	9.70mm	.3819	20.00mm	.7874
0.95mm	.0374	2.45mm	.0965	15	.1800	6.80mm	.2677	9.75mm	.3839	51/64	.7969
62	.0380	40	.0980	4.60mm	.1811	6.90mm	.2717	9.80mm	.3858	20.50mm	.8071
61	.0390	2.50mm	.0984	14	.1820	I	.2720	W	.3860	13/16	.8125
1.00mm	.0394	39	.0995	13	.1850	7.00mm	.2756	9.90mm	.3898	21.00mm	.8268
60	.0400	38	.1015	4.70mm	.1850	J	.2770	25/64	.3906	53/64	.8281
59	.0410	2.60mm	.1024	4.75mm	.1870	7.10mm	.2795	10.00mm	.3937	27/32	.8438
1.05mm	.0413	37	.1040	3/16	.1875	K	.2810	X	.3970	21.50mm	.8465
58	.0420	2.70mm	.1063	12	.1890	9/32	.2812	10.20mm	.4016	55/64	.8594
57	.0430	36	.1065	4.80mm	.1890	7.20mm	.2835	Y	.4040	22.00mm	.8661
1.10mm	.0433	2.75mm	.1083	11	.1910	7.25mm	.2854	13/32	.4062	7/8	.8750
1.15mm	.0453	7/64	.1094	4.90mm	.1929	7.30mm	.2874	Z	.4130	22.50mm	.8858
56	.0465	35	.1100	10	.1935	L	.2900	10.50mm	.4134	57/64	.8906
3/64	.0469	2.80mm	.1102	9	.1960	7.40mm	.2913	27/64	.4219	23.00mm	.9055
1.20mm	.0472	34	.1110	5.00mm	.1969	M	.2950	10.75mm	.4232	29/32	.9062
1.25mm	.0492	33	.1130	8	.1990	7.50mm	.2953	11.00mm	.4331	59/64	.9219
1.30mm	.0512	2.90mm	.1142	5.10mm	.2008	19/64	.2969	7/16	.4375	23.50mm	.9252
55	.0520	32	.1160	7	.2010	7.60mm	.2992	11.50mm	.4528	15/16	.9375
1.35mm	.0531	3.00mm	.1181	13/64	.2031	N	.3020	29/64	.4531	24.00mm	.9449
54	.0550	31	.1200	6	.2040	7.70mm	.3031	15/32	.4688	61/64	.9531
1.40mm	.0551	3.10mm	.1220	5.20mm	.2047	7.75mm	.3051	12.00mm	.4724	24.50mm	.9646
1.45mm	.0571	1/8	.1250	5	.2055	7.80mm	.3071	31/64	.4844	31/32	.9688
1.50mm	.0591	3.20mm	.1260	5.25mm	.2067	7.90mm	.3110	12.50mm	.4921	25.00mm	.9834
53	.0595	3.25mm	.1280	5.30mm	.2087	5/16	.3125	1/2	.5000	63/64	.9844
1.55mm	.0610	30	.1285	4	.2090	8.00mm	.3150	13.00mm	.5118	25.40mm	1.000

TAP / DRILL CHART

Recommended Tap / Drill to use for 75% Depth of Thread

Drill/Hole Size	Tap/Screw Size	Drill/Hole Size	Tap/Screw Size	Drill/Hole Size	Tap/Screw Size	Drill/Hole Size	Tap/Screw Size	Drill/Hole Size	Tap/Screw Size
3/64"	0-80 NF	#29	8-36 NF	H	8 - 1.25mm	12mm	14 - 2.00mm	7/8"	1-8 NC
#53	1-64 NC	#28	8-40 NS	I	5/16-24 NF	31/64"	9/16-12 NC	7/8"	24 - 2.00mm
#53	1-72 NF	#26	3/16-24 NS	J	8 - 1.00mm	1/2"	14 - 1.50mm	59/64"	1-12 NF
#50	2-56 NC	#25	10-24 NC	9/32"	5/16-32 NEF	1/2"	14 - 1.25mm	15/16"	1-14 NS
#50	2-64 NF	#22	3/16-32 NS	5/16"	9 - 1.25mm	33/64"	9/16-18 NF	63/64"	1.1/8-7 NC
#47	3-48 NC	#21	10-32 NF	5/16"	3/8-16 NC	17/32"	5/8-11 NC	1-3/64"	1.1/8-12 NF
#45	3-56 NF	#20	5 - 0.90mm	O	9 - 1.00mm	9/16"	16 - 2.00mm	1-7/64"	1.1/4-7 NC
#44	4-36 NS	#19	5 - 0.80mm	21/64"	9 - 0.75mm	37/64"	5/8-18 NF	1-11/64"	1.1/4-12 NF
#43	4-40 NC	#16	12-24 NC	Q	3/8-24 NF	37/64"	16 - 1.50mm	1-7/32"	1.3/8-6 NC
#42	4-48 NF	#14	12-28 NF	R	10 - 1.50mm	19/32"	11/16-11 NS	1-19/64"	1.3/8-12 NF
#41	3 - 0.60mm	#13	12-32 NEF	S	10 - 1.25mm	5/8"	18 - 2.50mm	1-11/32"	1.1/2-6 NC
#38	1/8-40 NS	#10	14-20 NS	23/64"	10 - 1.00mm	5/8"	11/16-16 NS	1-27/64"	1.1/2-12 NF
#38	5-40 NC	#7	1/4-20 NC	U	7/16-14 NC	21/32"	3/4-10 NC	R	1/8-27
#37	5-44 NF	#7	14-24 NS	3/8"	11 - 1.50mm	21/32"	18 - 1.50mm	7/16"	1/4-18
#35	6-32 NC	#9	6 - 1.00mm	25/64"	7/16-20 NF	11/16"	3/4-16 NF	37/64"	3/8-18
#34	6-36 NS	#4	1/4-24 NS	13/32"	12 - 1.75mm	45/64"	20 - 2.50mm	45/64"	1/2-14
#33	6-40 NF	#3	1/4-28 NF	Z	12 - 1.50mm	49/64"	7/8-9 NC	59/64"	3/4-14
#31	6-48 NS	7/32"	1/4-32 NEF	27/64"	1/2-13 NC	13/16"	7/8-14 NF	1-5/32"	1-11/2
#30	4 - 0.70mm	#1	1/4-40 NS	27/64"	12 - 1.25mm	13/16"	22 - 1.50mm	1-1/2"	1.1/4-11/2
#30	4 - 1.075mm	B	7 - 1.00mm	29/64"	1/2-20 NF	53/64"	7/8-18 NS	1-47/64"	1.1/2-11/2
#29	8-32 NC	F	5/16-16 NC	29/64"	1/2-24 NS	27/32"	24 - 3.00mm	2-7/32"	2-11/2

NPT - Taper Pipe Taps

FRACTIONS – DECIMALS – MILLIMETERS

		DECIMAL	MM			DECIMAL	MM
	$\frac{1}{64}$	.0156	0.396		$\frac{33}{64}$	.5156	13.096
	$\frac{1}{32}$	.0312	0.793		$\frac{35}{64}$	.5312	13.493
	$\frac{3}{64}$	.0468	1.190		$\frac{37}{64}$	.5468	13.890
$\frac{1}{16}$	$\frac{5}{64}$	.0625	1.587	$\frac{9}{16}$	$\frac{39}{64}$	.5625	14.287
	$\frac{7}{64}$	.0781	1.984		$\frac{41}{64}$	.5781	14.684
	$\frac{3}{32}$	.0937	2.381		$\frac{43}{64}$	.5937	15.081
	$\frac{1}{8}$	.1093	2.778	$\frac{5}{8}$	$\frac{45}{64}$	.6093	15.478
	$\frac{9}{64}$	.125	3.175		$\frac{47}{64}$	.625	15.875
	$\frac{5}{32}$	.1406	3.571		$\frac{49}{64}$	.6406	16.271
	$\frac{11}{64}$	.1562	3.968		$\frac{51}{64}$	.6562	16.668
	$\frac{13}{64}$	.1718	4.365		$\frac{53}{64}$	.6718	17.065
$\frac{3}{16}$	$\frac{15}{64}$	.1875	4.762	$\frac{11}{16}$	$\frac{55}{64}$	.6875	17.462
	$\frac{17}{64}$	.2031	5.159		$\frac{57}{64}$	.7031	17.859
	$\frac{7}{32}$	.2187	5.556		$\frac{59}{64}$	.7187	18.256
	$\frac{1}{4}$	.2343	5.953		$\frac{61}{64}$	.7343	18.653
	$\frac{17}{64}$	.250	6.350	$\frac{3}{4}$	$\frac{63}{64}$	.750	19.050
	$\frac{9}{32}$	.2656	6.746		$\frac{64}{64}$	.7656	19.446
	$\frac{19}{64}$	.2812	7.143		$\frac{65}{64}$	.7812	19.843
	$\frac{5}{16}$	.2968	7.540		$\frac{66}{64}$	.7968	20.240
	$\frac{21}{64}$	.3125	7.937	$\frac{13}{16}$	$\frac{67}{64}$	.8125	20.637
	$\frac{11}{32}$	.3281	8.334		$\frac{68}{64}$	.8281	21.034
	$\frac{23}{64}$	.3437	8.731		$\frac{69}{64}$	.8437	21.431
	$\frac{3}{8}$	.3593	9.128		$\frac{70}{64}$	.8593	21.828
	$\frac{25}{64}$	.375	9.525	$\frac{7}{8}$	$\frac{71}{64}$	.875	22.225
	$\frac{13}{32}$	.3906	9.921		$\frac{72}{64}$	.8906	22.621
	$\frac{27}{64}$	.4062	10.318		$\frac{73}{64}$	.8906	22.621
	$\frac{7}{16}$	.4218	10.715		$\frac{74}{64}$	.9062	23.018
	$\frac{29}{64}$	.4375	11.112		$\frac{75}{64}$	.9218	23.415
	$\frac{15}{32}$	.4531	11.509	$\frac{15}{16}$	$\frac{76}{64}$	.9375	23.812
	$\frac{31}{64}$	.4687	11.906		$\frac{77}{64}$	.9531	24.209
	$\frac{1}{2}$	.4843	12.303		$\frac{78}{64}$	.9687	24.606
		.500	12.700		$\frac{79}{64}$	.9843	25.003
				$\frac{1}{1}$	$\frac{80}{64}$	1.000	25.400