



shaping your dreams

DECIMAL EQUIVALENTS

Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal	Drill Size	Decimal
0.1mm	0.0039	49	0.0730	4.5mm	0.1772	P	0.3230	16mm	0.6299
0.2mm	0.0079	48	0.0760	15	0.1800	21/64	0.3281	41/64	0.6406
0.3mm	0.0118	5/64	0.0781	14	0.1820	Q	0.3320	16.5mm	0.6496
80	0.0135	47	0.0785	13	0.1850	8.5mm	0.3346	21/32	0.6562
79	0.0145	2mm	0.0787	3/16	0.1875	R	0.3390	17mm	0.6693
1/64	0.0156	46	0.0810	12	0.1890	11/32	0.3438	43/64	0.6719
0.4mm	0.0157	45	0.0820	11	0.1910	S	0.3480	11/16	0.6875
78	0.0160	44	0.0860	10	0.1935	9mm	0.3543	17.5mm	0.6890
77	0.0180	43	0.0890	9	0.1960	T	0.3580	45/64	0.7031
0.5mm	0.0197	42	0.0935	5mm	0.1969	23/64	0.3594	18mm	0.7087
76	0.0200	3/32	0.0938	8	0.1990	U	0.3680	23/32	0.7188
75	0.0210	41	0.0960	7	0.2010	9.5mm	0.3740	18.5mm	0.7283
74	0.0225	40	0.0980	13/64	0.2031	3/8	0.3750	47/64	0.7344
0.6mm	0.0236	2.5mm	0.0984	6	0.2040	V	0.3770	19mm	0.7480
73	0.0240	39	0.0995	5	0.2055	W	0.3860	3/4	0.7500
72	0.0250	38	0.1015	4	0.2090	25/64	0.3906	49/64	0.7656
71	0.0260	37	0.1040	3	0.2130	10mm	0.3937	19.5mm	0.7677
0.7mm	0.0276	36	0.1065	5.5mm	0.2165	X	0.3970	25/32	0.7813
70	0.0280	7/64	0.1094	7/32	0.2188	Y	0.4040	20mm	0.7874
69	0.0292	35	0.1100	2	0.2210	13/32	0.4063	51/64	0.7969
68	0.0310	34	0.1110	1	0.2280	Z	0.4130	20.5mm	0.8071
1/32	0.0313	33	0.1130	A	0.2340	10.5mm	0.4134	13/16	0.8125
0.8mm	0.0315	32	0.1160	15/64	0.2344	27/64	0.4219	21mm	0.8268
67	0.0320	3mm	0.1181	6mm	0.2362	11mm	0.4331	53/64	0.8281
66	0.0330	31	0.1200	B	0.2380	7/16	0.4375	27/32	0.8438
65	0.0350	1/8	0.1250	C	0.2420	11.5mm	0.4528	21.5mm	0.8465
0.9mm	0.0354	30	0.1285	D	0.2460	29/64	0.4531	55/64	0.8594
64	0.0360	29	0.1360	1/4&E	0.2500	15/32	0.4688	22mm	0.8661
63	0.0370	3.5mm	0.1378	6.5mm	0.2559	12mm	0.4724	7/8	0.8750
62	0.0380	28	0.1405	F	0.2570	31/64	0.4844	22.5mm	0.8858
61	0.0390	9/64	0.1406	G	0.2610	12.5mm	0.4921	57/64	0.8906
1mm	0.0394	27	0.1440	17/64	0.2656	1/2	0.5000	23mm	0.9055
60	0.0400	26	0.1470	H	0.2660	13mm	0.5118	29/32	0.9063
59	0.0410	25	0.1495	I	0.2720	33/64	0.5156	59/64	0.9219
58	0.0420	24	0.1520	7mm	0.2756	17/32	0.5313	23.5mm	0.9252
57	0.0430	23	0.1540	J	0.2770	13.5mm	0.5315	15/16	0.9375
56	0.0465	5/32	0.1563	K	0.2810	35/64	0.5469	24mm	0.9449
3/64	0.0469	22	0.1570	9/32	0.2813	14mm	0.5512	61/64	0.9531
55	0.0520	4mm	0.1575	L	0.2900	9/16	0.5625	24.5mm	0.9646
54	0.0550	21	0.1590	M	0.2950	14.5mm	0.5709	31/32	0.9688
1.5mm	0.0591	20	0.1610	7.5mm	0.2953	37/64	0.5781	25mm	0.9843
53	0.0595	19	0.1660	19/64	0.2969	15mm	0.5906	63/64	0.9844
1/16	0.0625	18	0.1695	N	0.3020	19/32	0.5938	1	1.000
52	0.0635	11/64	0.1719	5/16	0.3125	39/64	0.6094		
51	0.0670	17	0.1730	8mm	0.3150	15.5mm	0.6102		
50	0.0700	16	0.1770	O	0.3160	5/8	0.6250		



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TAP DRILL SIZES - For 70% THREAD - INCH

Tap Size	TPI	Tap Drill	Tap Size	TPI	Tap Drill	Tap Size	TPI	Tap Drill	Tap Size	TPI	Tap Drill
NO. 0	80 NF	0.0486	NO. 8	36 NF	0.1387	7/16	20 NF	0.3920	1	12 NF	0.9242
NO. 1	64 NC	0.0588	NO. 10	24 NC	0.1521	1/2	13 NC	0.4301	1-1/8	7 NC	0.9951
NO. 1	72 NF	0.0604	NO. 10	32 NF	0.1616	1/2	20 NF	0.4545	1-1/8	12 NF	1.0492
NO. 2	56 NC	0.0698	NO. 12	24 NC	0.1781	9/16	12 NC	0.4867	1-1/4	7 NC	1.1201
NO. 2	64 NF	0.0718	NO. 12	28 NF	0.1835	9/16	18 NF	0.5120	1-1/4	12 NF	1.1742
NO. 3	48 NC	0.0801				5/8	11 NC	0.5423	1-3/8	6 NC	1.2235
NO. 3	56 NF	0.0828				5/8	18 NF	0.5745	1-3/8	12 NF	1.2992
NO. 4	40 NC	0.0893	1/4	20 NC	0.2045	11/16	11 NS	0.6048	1-1/2	6 NC	1.3485
NO. 4	48 NF	0.0931	1/4	28 NF	0.2175	11/16	16 NS	0.6307	1-1/2	12 NF	1.4242
NO. 5	40 NC	0.1023	5/16	18 NC	0.2620	3/4	10 NC	0.6591	1-3/4	5 NC	1.5681
NO. 5	44 NF	0.1043	5/16	24 NF	0.2746	3/4	16 NF	0.6932	2	4-1/2 NC	1.7979
NO. 6	32 NC	0.1096	3/8	16 NC	0.3182	7/8	9 NC	0.7740			
NO. 6	40 NF	0.1153	3/8	24 NF	0.3371	7/8	14 NF	0.8101			
NO. 8	32 NC	0.1356	7/16	14 NC	0.3726	1	8 NC	0.8863			

TAP DRILL SIZES - For 70% THREAD - METRIC

Size	Pitch	Drill (mm)	Inch Equiv.	Size	Pitch	Drill (mm)	Inch Equiv.	Size	Pitch	Drill (mm)	Inch Equiv.	Size	Pitch	Drill (mm)	Inch Equiv.
M1.6	0.35	1.28	0.0505	M8	1.25	6.86	0.2702	M16	1.5	14.64	0.5762	M33	3.5	29.82	1.1739
M2.0	0.4	1.64	0.0644	M8	1.0	7.09	0.2792	M18	2.5	15.73	0.6192	M33	2.0	31.18	1.2276
M2.5	0.45	2.09	0.0823	M10	1.5	8.64	0.3400	M18	1.5	16.64	0.6550	M36	4.0	32.36	1.2741
M3.0	0.5	2.55	0.1002	M10	1.25	8.86	0.3489	M20	2.5	17.73	0.6979	M36	3.0	33.27	1.3099
M4.0	0.7	3.36	0.1324	M12	1.75	10.41	0.4098	M20	1.5	18.64	0.7337	M39	4.0	35.36	1.3922
M5.0	0.8	4.27	0.1682	M12	1.25	10.86	0.4277	M24	3.0	21.27	0.8375	M39	3.0	36.27	1.4280
M6.0	1.0	5.09	0.2004	M14	2.0	12.18	0.4796	M24	2.0	22.18	0.8733				
M6.3	1.0	5.39	0.2122	M14	1.5	12.64	0.4975	M30	3.5	26.82	1.0558				
M7.0	1.0	6.09	0.2398	M16	2.0	14.18	0.5583	M30	2.0	28.18	1.1095				

PIPE TAP DRILL SIZES

National Pipe Threads								British & ISO Pipe Threads							
Size	TPI	NPT		NPTF		NPS		Size	Whit. Form TPI	BSPT (Taper)		BSPP (Parallel)			
		Tap Drill	Decimal	Tap Drill	Decimal	Tap Drill	Decimal			Tap Drill (mm)	Inch Equiv.	Tap Drill (mm)	Inch Equiv.		
1/16	27	C	0.246	D	0.246	1/4	0.250	1/16	28	6.3	0.248	6.5	0.256		
1/8	27	Q	0.332	R	0.339	11/32	0.344	1/8	28	8.4	0.331	8.8	0.346		
1/4	18	7/16	0.438	7/16	0.438	7/16	0.438	1/4	19	11.2	0.441	11.8	0.465		
3/8	18	9/16	0.562	37/64	0.578	37/64	0.578	3/8	19	14.75	0.581	15.25	0.600		
1/2	14	45/64	0.703	45/64	0.703	23/32	0.719	1/2	14	18.25	0.719	19.0	0.748		
3/4	14	29/32	0.906	59/64	0.922	59/64	0.922	3/4	14	23.75	0.935	24.5	0.965		
1	11-1/2	1-9/64	1.141	1-5/32	1.156	1-5/32	1.156	1	11	30.0	1.181	30.75	1.211		
1-1/4	11-1/2	1-31/64	1.484	1-1/2	1.500	1-1/2	1.500	1-1/4	11	38.5	1.516	39.5	1.555		
1-1/2	11-1/2	1-23/32	1.734	1-47/64	1.7342	1-3/4	1.750	1-1/2	11	44.5	1.752	45.5	1.791		
2	11-1/2	2-3/16	2.203	2-7/32	2.219	2-7/32	2.219	2	11	56.0	2.205	57.0	2.244		

FOR MORE INFORMATION CONTACT US

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