



Decimal Equivalents and Tap Sizes of Fraction, Number, Letter and Metric Sizes

Recommended tap drill sizes for approximately 75% depth of thread

SIZES	DECIMAL INCHES	TAP SIZES To be used with drills as indicated	SIZES	DECIMAL INCHES	TAP SIZES To be used with drills as indicated	SIZES	DECIMAL INCHES	TAP SIZES To be used with drills as indicated	SIZES	DECIMAL INCHES	TAP SIZES To be used with drills as indicated	SIZES	DECIMAL INCHES	TAP SIZES To be used with drills as indicated
.97	.0059		.58	.0420		.27	.1440		H	.2660		17/32	.5312	5/8—11
.15mm	.0059		.57	.0430		3.7mm	.1457		6.8mm	.2677		13.5mm	.5315	
.96	.0063		1.1mm	.0433		.26	.1470	3/16-24 NS	6.9mm	.2717		35/64	.5469	
.16mm	.0063		1.15mm	.0453		3.75mm	.1476	m4.5x0.75	I	.2720	5/16-24 NF	14mm	.5512	m16x2
.95	.0067		.56	.0465		.25	.1495	#10—24	J	.2756	m8x1	9/16	.5625	
.17mm	.0067		3/64	.0469	#0—80	3.8mm	.1496		K	.2770		14.5mm	.5709	m16x1.50
.94	.0071		1.2mm	.0472		.24	.1520		7.1mm	.2795		37/64	.5781	3/8-18 NPS PIPE
.18mm	.0071		1.25mm	.0492	m1.6x0.35	3.9mm	.1535		9/32	.2812	5/16-32 NS	15mm	.5906	
.93	.0075		1.3mm	.0512		.23	.1540		7.2mm	.2835		19/32	.5938	3/8-18 NPS PIPE
.19mm	.0075		.55	.0520		22	.1570	3/16-32 NS	L	.2874		39/64	.6094	
.92	.0079		1.35mm	.0531		4mm	.1575		7.3mm	.2874		5/8	.6250	11/16-16 NS
.2mm	.0079		.54	.0550		.21	.1590	#10—32	M	.2900		16mm	.6299	m18x2.0
.91	.0083		1.4mm	.0551		20	.1610		7.4mm	.2913		41/64	.6406	
.21mm	.0083		1.45mm	.0571	m1.8x0.35	4.1mm	.1614		N	.2950		16.5mm	.6496	
.90	.0087		1.5mm	.0591		4.2mm	.1654	m5x0.8	O	.2953		21/32	.6562	3/4-10 NC
.22mm	.0087		.53	.0595	#1—64, 72	19	.1660		7.5mm	.2953		17mm	.6693	
.89	.0091		1.55mm	.0610		4.25mm	.1673		7.6mm	.2992		43/64	.6719	
.23mm	.0091		1/16	.0625		4.3mm	.1693		N	.3020		11/16	.6875	3/4-16 NF
.24mm	.0094		1.6mm	.0630	m2x0.4	.18	.1695		7.7mm	.3031		17.5mm	.6890	m20x2.5
.88	.0095		.52	.0635		17	.1730		7.75mm	.3051	m9x1.25	45/64	.7031	
.25mm	.0098		1.65mm	.0650		4.4mm	.1732		7.8mm	.3071		18mm	.7087	m20x2.0
.87	.0100		1.7mm	.0669		16	.1770	#12—24	7.9mm	.3110		23/32	.7188	1/2-14 NPT PIPE
.26mm	.0102		.51	.0670	#2—56	4.5mm	.1772		8mm	.3150		18.5mm	.7283	m20x1.5
.86	.0105		1.75mm	.0689	m2.2x0.45	15	.1800		8.1mm	.3189	3/8-16 NC	47/64	.7344	1/2-14 NPS PIPE
.27mm	.0106		.50	.0700	#2—64	14	.1820		P	.3230		19mm	.7480	
.85	.0110		1.8mm	.0709		13	.1850	#12—28	8.2mm	.3228		3/4	.7500	
.28mm	.0110		1.85mm	.0728		4.7mm	.1850		8.25mm	.3248		49/64	.7656	7/8-9 NC
.29mm	.0114		.49	.0730		4.75mm	.1870		8.3mm	.3268		19.5mm	.7677	m22x2.5
.84	.0115		1.9mm	.0748	m2.3x0.4	12	.1890		8.4mm	.3307		25/32	.7812	
.3mm	.0118		.48	.0760		11	.1910		8.5mm	.3346		20mm	.7874	m22x2.0
.83	.0120		1.95mm	.0768		10	.1935		8.6mm	.3386		51/64	.7969	
.82	.0125		5/64	.0781		9	.1960		R	.3390	1/8-27 NPT PIPE	20.5mm	.8071	m22x1.5
.32mm	.0126		.47	.0785	#3—48	8	.1990		8.7mm	.3425		13/16	.8125	7/8-14 NF
.81	.0130		2mm	.0787		7	.2010	1/4—20	S	.3480	1/8-27 NPS PIPE	21mm	.8268	m24x3
.34mm	.0134		2.05mm	.0807	m2.5x0.45	6	.2040		T	.3580		21.5mm	.8465	
.80	.0135		.46	.0810		5.2mm	.2047		9.1mm	.3583		53/64	.8281	
.35mm	.0138		2.1mm	.0820	#3—56	5	.2055		9.2mm	.3622		27/32	.8438	
.36mm	.0142		2.15mm	.0846	m2.6x0.45	4	.2090		9.3mm	.3661		55/64	.8594	
.79	.0145		.44	.0860	#4—36	3	.2130		9.4mm	.3701		22mm	.8661	m24x2
.38mm	.0150		2.2mm	.0866		2	.2210		9.5mm	.3740		7/8	.8750	1-8 NC
1/64	.0156		2.25mm	.0886		1	.2280		9.6mm	.3780		22.25mm	.8760	
.4mm	.0157		.43	.0890	#4—40	6	.2040		9.7mm	.3819		22.5mm	.8858	m24x1.50
.78	.0160		2.3mm	.0906		5.5mm	.2165		9.8mm	.3858		23mm	.9055	
.42mm	.0165		2.35mm	.0925		4	.2090		9.9mm	.3898		29/32	.9062	
.44mm	.0173		.42	.0935	#4—48	3	.2130		10mm	.3937		59/64	.9219	3/4-14 NPT PIPE
.45mm	.0177		2.4mm	.0945		2	.2210		9.25mm	.3642		23.5mm	.9252	
.77	.0180		3/32	.0938		1	.2280		9.3mm	.3661		15/16	.9375	3/4-14 NPS PIPE
.46mm	.0181		2.4mm	.0945		5.25mm	.2067	m6x0.75	9.4mm	.3701		24mm	.9449	m27x3
.48mm	.0189		.41	.0960		5.3mm	.2087		9.5mm	.3740		61/64	.9531	
.5mm	.0197		2.45mm	.0965		4	.2090	1/4—24	9.6mm	.3780		24.5mm	.9646	
.76	.0200		.40	.0980		3	.2130	1/4—28	9.7mm	.3819		31/32	.9688	
.75	.0210		2.5mm	.0984	m3x0.5	2	.2210		9.8mm	.3858		25mm	.9843	m27x2
.55mm	.0217		.39	.0995	#5—40	1	.2280		9.9mm	.3898		63/64	.9844	1-1/8—7 NC
.74	.0225		2.6mm	.1024		5.6mm	.2205		10mm	.3937		1	1.0000	
.6mm	.0236		.38	.1015		5.7mm	.2244		9.25mm	.3642		25.5mm	1.0039	
.73	.0240		2.6mm	.1024		5.75mm	.2264		9.3mm	.3661		1-1/64	1.0156	
.72	.0250		.37	.1040	#5—44	5.8mm	.2283		9.4mm	.3701		26mm	1.0236	
.65mm	.0256		2.7mm	.1063		5.9mm	.2323		9.5mm	.3740		1-1/32	1.0312	
.71	.0260		2.75mm	.1083		6mm	.2362	m7x1	9.6mm	.3780		26.5mm	1.0433	m30x3.5
.7mm	.0276		.35	.1100		6.1mm	.2402		9.7mm	.3819		1-3/64	1.0469	1-1/8-12 NF
.70	.0280		2.8mm	.1102		6.2mm	.2441		9.8mm	.3858		1-1/16	1.0625	
.69	.0292		.34	.1110		6.25mm	.2461		9.9mm	.3898		27mm	1.0630	
.68	.0310		2.9mm	.1142	#6—40	6.3mm	.2480		10mm	.3937		1-5/64	1.0781	
1/32	.0312		.33	.1130		6.4mm	.2520		9.25mm	.3642		27.5mm	1.0827	
.8mm	.0315		3mm	.1181	m3.5x0.6	6.5mm	.2559		9.3mm	.3661		1-3/32	1.0938	
.67	.0320		.31	.1200		6.6mm	.2598		9.4mm	.3701		28mm	1.1024	m30x2.0
.66	.0330		3.1mm	.1220		6.7mm	.2638		9.5mm	.3740		1-7/64	1.1094	1-1/4-7 NC
.85mm	.0335		1/8	.1250	5/32-32 NS	6.75mm	.2657		9.6mm	.3780		28.5mm	1.1220	
.65	.0350		3.2mm	.1260		6.8mm	.2677		9.7mm	.3819		1-1/8	1.1250	
.9mm	.0354		3.25mm	.1280		6.9mm	.2717		9.8mm	.3858		1-9/64	1.1406	
.64	.0360		.30	.1285	5/32-36 NS	7mm	.2756	1/16-27 NPS PIPE	9.9mm	.3898		29mm	1.1417	
.63	.0370		3.3mm	.1299	m4x0.7	7.1mm	.2770		10mm	.3937		29.5mm	1.1614	
.95mm	.0374		3.4mm	.1339		7.2mm	.2835		10.5mm	.4134	m12x1.25	1-11/64	1.1719	1-1/4-12 NF
.62	.0380		.29	.1360	#8—32	7.25mm	.2854		11mm	.4331		1-5/32	1.1562	
.61	.0390		3.5mm	.1378		7.3mm	.2874		11.5mm	.4528		29.5mm	1.1614	
1mm	.0394		.28	.1405		7.35mm	.2892		12mm	.4724	m14x2	1-11/64	1.1719	
.60	.0400		3.5mm	.1378		7.4mm	.2913		12.5mm	.4921	m14x1.5			
.59	.0410		9/64	.1406		7.5mm	.2953		13mm	.5118	m14x1.25			
1.05mm	.0413		3.6mm	.1417		7.55mm	.2969		33/64	.5156	9/16—18			