



DECIMAL & MILLIMETER EQUIVALENT CHART

Fractional Value	Decimal Equivalent	Millimeters		Fractional Value	Decimal Equivalent	Millimeters
1/64"	.015625	0.3968		33/64"	.515625	13.0966
1/32"	.03125	0.7937		17/32"	.53125	13.4934
3/64"	.046875	1.1906		35/64"	.546875	13.8903
1/16"	.0625	1.5875		9/16"	.5625	14.2872
5/64"	.078125	1.9843		37/64"	.578125	14.6841
3/32"	.09375	2.3812		19/32"	.59375	15.0809
7/64"	.109375	2.7780		39/64"	.609375	15.4778
1/8"	.1250	3.1749		5/8"	.6250	15.8747
9/64"	.140625	3.5718		41/64"	.640625	16.2715
5/32"	.15626	3.9686		21/32"	.65625	16.6684
11/64"	.171875	4.3655		43/64"	.671875	17.0653
3/16"	.1875	4.7624		11/16"	.6875	17.4621
13/64"	.203125	5.1592		45/64"	.703125	17.8590
7/32"	.21875	5.5561		23/32"	.71875	18.2559
15/64"	.234375	5.9530		47/64"	.734375	18.6527
1/4"	.2500	6.3498		3/4"	.7500	19.0496
17/64"	.265625	6.7467		49/64"	.765625	19.4465
9/32"	.28125	7.1436		25/32"	.78125	19.8433
19/64"	.296875	7.5404		51/64"	.796875	20.2402
5/16"	.3125	7.9373		13/16"	.8125	20.6371
21/64"	.328125	8.3342		53/64"	.828125	21.0339
11/32"	.34375	8.7310		27/32"	.84375	21.4308
23/64"	.359375	9.1279		55/64"	.859375	21.8277
3/8"	.3750	9.5248		7/8"	.8750	22.2245
25/64"	.390625	9.9216		57/64"	.890625	22.6214
13/32"	.40625	10.3185		29/32"	.90625	23.0183
27/64"	.421875	10.7154		59/64"	.921875	23.4151
7/16"	.4375	11.1122		15/16"	.9375	23.8120
29/64"	.453125	11.5091		61/64"	.953125	24.2089
15/32"	.46875	11.9060		31/32"	.96875	24.6057
31/64"	.484375	12.3029		63/64"	.984375	25.0026
1/2"	.5000	12.6997		1"	1.0000	25.3995



TAP & DRILL CHART

(Recommended tap drill to use for 75% depth of thread)

To Tap This Size Screw Or Bolt:	Use This Drill Bit:	(Closest Fractional:)	Decimal Inches		To Tap This Size Screw Or Bolt:	Use This Drill Bit:	(Closest Fractional:)	Decimal Inches
0-80 NF	3/64"	3/64"	.0469		9mm-1.00mm	8.1mm	-	.3189
1-64 NC	#53	-	.0595		9mm-0.75mm	8.3mm	-	.3268
1-72 NF	#53	1/16"	.0595		3/8-24 NF	Ltr.Q	21/64"	.3320
2-56 NC	#50	-	.0700		10mm-1.50mm	8.7mm	-	.3425
2-64 NF	#50	-	.0700		10mm-1.25mm	8.9mm	11/32"	.3503
3-48 NC	#47	5/64"	.0785		10mm-1.00mm*	9.1mm	-	.3583
3-56 NF	#45	-	.0820		7/16-14 NC	Ltr.U	23/64"	.3680
4-36 NS	#44	-	.0860		11mm-1.50mm	9.7mm	-	.3818
4-40 NC	#43	3/32"	.0890		7/16-20 NF	25/64"	25/64"	.3906
4-48 NF	#42	3/32"	.0935		12mm-1.75mm	10.5mm	-	.4133
3mm-.060mm	2.5mm	-	.0984		12mm-1.50mm	10.7mm	27/64"	.4212
1/8-40 NS	#38	-	.1015		1/2-13 NC	27/64"	27/64"	.4219
5-40 NC	#38	-	.1015		12mm-1.25mm*	10.9mm	27/64"	.4291
5-44 NF	#37	-	.1040		1/2-20 NF	29/64"	29/64"	.4531
6-32 NC	#35	7/64"	.1100		1/2-24 NS	29/64"	29/64"	.4531
6-36 NS	#34	-	.1110		14mm-2.00mm	12.2mm	-	.4803
6-40 NF	#33	-	.1130		9/16-12 NC	31/64"	31/64"	.4844
6-48 NS	#31	-	.1200		14mm-1.50mm	12.7mm	-	.4999
4mm-0.70mm	3.4mm	-	.1338		14mm-1.25mm*	12.8mm	-	.5039
4mm-.075mm	3.4mm	-	.1338		9/16-18 NF	33/64"	33/64"	.5156
8-32 NC	#29	-	.1360		5/8-11 NC	17/32"	17/32"	.5312
8-36 NF	#29	9/64"	.1360		16mm-2.00mm	14.2mm	35/64"	.5590
8-40 NS	#28	-	.1405		5/8-18 NF	37/64"	37/64"	.5781
3/16-24 NS	#26	-	.1470		16mm-1.50mm	14.7mm	-	.5787
10-24 NC	#25	5/32"	.1495		11/16-11 NS	19/32"	19/32"	.5938
3/16-32 NS	#22	-	.1570		18mm-2.50mm	15.8mm	39/64"	.5220
10-32 NF	#21	5/32"	.1590		11/16-16 NS	5/8"	5/8"	.6250
5mm-.090mm	4.2mm	-	.1653		3/4-10 NC	21/32"	21/32"	.6562
5mm-.080mm	4.3mm	-	.1693		18mm-1.50mm*	16.8mm	-	.6614
12-24 NC	#16	11/64"	.1770		3/4-16 NF	11/16"	11/16"	.6875
12-28 NF	#14	3/16"	.1820		20mm-2.50mm	17.8mm	11/16"	.7008
12-32 NEF	#13	-	.1850		7/8-9 NC	49/64"	49/64"	.7656
14-20 NS	#10	-	.1935		7/8-14 NF	13/16"	13/16"	.8125
1/4-20 NC	#7	13/64"	.2010		22mm-1.50mm	20.9mm	-	.8228
14-24 NS	#7	-	.2010		7/8-18 NS*	53/64"	53/64"	.8281
6mm-1.00mm	5.2mm	-	.2047		24mm-3.00mm	21.4mm	53/64"	.8425
1/4-24 NS	#4	-	.2090		1.8 NC	7/8"	7/8"	.8750
1/4-28 NF	#3	7/32"	.2130		24mm-2.00mm	22.3mm	-	.8779
1/4-32 NEF	7/32"	7/32"	.2188		1.12 NF	59/64"	59/64"	.9219
1/4-40 NS	#1	-	.2280		1-14 NS	15/16"	15/16"	.9375
7mm-1.00mm	6.1mm	15/64"	.2401		1 1/8-7 NC	63/64"	63/64"	.9844
5/16-18 NC	Ltr.F	17/64"	.2570		1 1/8-12 NF	1 3/64"	1 3/64"	1.0469
8mm-1.25mm	6.9mm	17/64"	.2716		1 1/4-7 NC	1 7/64"	1 7/64"	1.1094
5/16-24 NF	Ltr.I	-	.2720		1 1/4-12 NF	1 11/64"	1 11/64"	1.1719
8mm-1.00mm	7.1mm	-	.2795		1 3/8-6 NC	1 7/32"	1 7/32"	1.2188
5/16-32 NEF	9/32"	9/32"	.2812		1 3/8-12 NF	1 19/64"	1 19/64"	1.2969
9mm-1.25mm	7.9mm	-	.3110		1 1/2-6 NC	1 11/32"	1 11/32"	1.3438
3/8-16 NC	5/16"	5/16"	.3125		1 1/2"-12 NF	1 27/64"	1 27/64"	1.4219



NATIONAL PIPE TAPERED TAP CHART
 (Recommended tap drill to use for 75% depth of thread)

To Tap This Size Pipe:	Use This Drill Bit:	(Closest Fractional:)	Decimal Inches:
1/8-27 NPT	Ltr.R	-	.3390
1/4-18 NPT	7/16"	7/16"	.4375
3/8-18 NPT	37/64"	37/64"	.5781
1/2-14 NPT	45/64"	45/64"	.7031
3/4-14 NPT	59/64"	59/64"	.9219
1-11 1/2 NPT	1 5/32"	1 5/32"	1.1562
1 1/4-11 1/2 NPT	1 1/2"	1 1/2"	1.5000
1 1/2-11 1/2 NPT	1 47/64"	1 47/64"	1.7344
2-11 1/2 NPT	2 7/32"	2 7/32"	2.2188