



Industrial Quick Reference Filtration-Related Conversions & Calculations

To Tap This Size Screw Or Bolt:	Use This Drill Bit:	(Closest Fractional:)	Decimal Inches
0-80 NF	3/64"	3/64"	0.0469
1-64 NC	#53	-	0.0595
1-72 NF	#53	1/16"	0.0595
2-56 NC	#50	-	0.07
2-64 NF	#50	-	0.07
3-48 NC	#47	5/64"	0.0785
3-56 NF	#45	-	0.082
4-36 NS	#44	-	0.086
4-40 NC	#43	3/32"	0.089
4-48 NF	#42	3/32"	0.0935
3mm-.060mm	2.5mm	-	0.0984
1/8-40 NS	#38	-	0.1015
5-40 NC	#38	-	0.1015
5-44 NF	#37	-	0.104
6-32 NC	#35	7/64"	0.11
6-36 NS	#34	-	0.111
6-40 NF	#33	-	0.113
6-48 NS	#31	-	0.12
4mm-0.70mm	3.4mm	-	0.1338
4mm-.075mm	3.4mm	-	0.1338
8-32 NC	#29	-	0.136
8-36 NF	#29	9/64"	0.136
8-40 NS	#28	-	0.1405
3/16-24 NS	#26	-	0.147
10-24 NC	#25	5/32"	0.1495
3/16-32 NS	#22	-	0.157
10-32 NF	#21	5/32"	0.159
5mm-.090mm	4.2mm	-	0.1653
5mm-.080mm	4.3mm	-	0.1693
12-24 NC	#16	11/64"	0.177
12-28 NF	#14	3/16"	0.182
12-32 NEF	#13	-	0.185
14-20 NS	#10	-	0.1935
1/4-20 NC	#7	13/64"	0.201
14-24 NS	#7	-	0.201
6mm-1.00mm	5.2mm	-	0.2047
1/4-24 NS	#4	-	0.209
1/4-28 NF	#3	7/32"	0.213
1/4-32 NEF	7/32"	7/32"	0.2188
1/4-40 NS	#1	-	0.228
7mm-1.00mm	6.1mm	15/64"	0.2401
5/16-18 NC	Ltr.F	17/64"	0.257
8mm-1.25mm	6.9mm	17/64"	0.2716
5/16-24 NF	Ltr.I	-	0.272
8mm-1.00mm	7.1mm	-	0.2795
5/16-32 NEF	9/32"	9/32"	0.2812
9mm-1.25mm	7.9mm	-	0.311
3/8-16 NC	5/16"	5/16"	0.3125

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9mm-1.00mm	8.1mm	-	0.3189
9mm-0.75mm	8.3mm	-	0.3268
3/8-24 NF	Ltr.Q	21/64"	0.332
10mm-1.50mm	8.7mm	-	0.3425
10mm-1.25mm	8.9mm	11/32"	0.3503
10mm-1.00mm*	9.1mm	-	0.3583
7/16-14 NC	Ltr.U	23/64"	0.368
11mm-1.50mm	9.7mm	-	0.3818
7/16-20 NF	25/64"	25/64"	0.3906
12mm-1.75mm	10.5mm	-	0.4133
12mm-1.50mm	10.7mm	27/64"	0.4212
1/2-13 NC	27/64"	27/64"	0.4219
12mm-1.25mm*	10.9mm	27/64"	0.4291
1/2-20 NF	29/64"	29/64"	0.4531
1/2-24 NS	29/64"	29/64"	0.4531
14mm-2.00mm	12.2mm	-	0.4803
9/16-12 NC	31/64"	-	0.4844
14mm-1.50mm	12.7mm	-	0.4999
14mm-1.25mm*	12.8mm	-	0.5039
9/16-18 NF	33/64"	33/64"	0.5156
5/8-11 NC	17/32"	17/32"	0.5312
16mm-2.00mm	14.2mm	35/64"	0.559
5/8-18 NF	37/64"	37/64"	0.5781
16mm-1.50mm	14.7mm	-	0.5787
11/16-11 NS	19/32"	19/32"	0.5938
18mm-2.50mm	15.8mm	39/64"	0.522
11/16-16 NS	5/8"	5/8"	0.625
3/4-10 NC	21/32"	21/32"	0.6562
18mm-1.50mm*	16.8mm	-	0.6614
3/4-16 NF	11/16"	11/16"	0.6875
20mm-2.50mm	17.8mm	11/16"	0.7008
7/8-9 NC	49/64"	49/64"	0.7656
7/8-14 NF	13/16"	13/16"	0.8125
22mm-1.50mm	20.9mm	-	0.8228
7/8-18 NS*	53/64"	53/64"	0.8281
24mm-3.00mm	21.4mm	53/64"	0.8425
1.8 NC	7/8"	7/8"	0.875
24mm-2.00mm	22.3mm	-	0.8779
1.12 NF	59/64"	59/64"	0.9219
1-14 NS	15/16"	15/16"	0.9375
1 1/8-7 NC	63/64"	63/64"	0.9844
1 1/8-12 NF	1 3/64"	1 3/64"	1.0469
1 1/4-7 NC	1 7/64"	1 7/64"	1.1094
1 1/4-12 NF	1 11/64"	1 11/64"	1.1719
1 3/8-6 NC	1 7/32"	1 7/32"	1.2188
1 3/8-12 NF	1 19/64"	1 19/64"	1.2969
1 1/2-6 NC	1 11/32"	1 11/32"	1.3438
1 1/2"-12 NF	1 27/64"	1 27/64"	1.4219

National Pipe Tapered Tap Chart

1/8" NPT ----- - 21/32"	3/4" NPT ----- 59/64"
1/4" NPT ----- - 7/16"	1" NPT ----- 1-5/32"
3/8" NPT ----- - 37/64"	1-1/4" NPT ----- 1-1/2"
1/2" NPT ----- - 23/32"	1-1/2" NPT ----- - 1-47/64"

14 mm x 1.25 pitch (spark plug) use 15/32" or 12 mm drill bit.





Decimal/Fraction Equivalent Chart

	1/64" ----- 0.015625		33/64" ----- 0.51563
1/32"	----- 0.03125		17/32" ----- 0.53125
	3/64" ----- 0.046875		35/64" ----- 0.54688
1/16"	----- 0.0625		9/16" ----- 0.5625
	5/64" ----- 0.078125		37/64" ----- 0.57813
3/32"	----- 0.09375		19/32" ----- 0.59375
	7/64" ----- 0.109375		39/64" ----- 0.60938
1/8"	----- 0.125	5/8"	----- 0.625
	9/64" ----- 0.140625		41/64" ----- 0.64063
5/32"	----- 0.15625		21/32" ----- 0.65625
	11/64" ----- 0.171875		43/64" ----- 0.67188
3/16"	----- 0.1875		11/16" ----- 0.6875
	13/64" ----- 0.203125		45/64" ----- 0.70313
7/32"	----- 0.21875		23/32" ----- 0.71875
	15/64" ----- 0.234375		47/64" ----- 0.73438
1/4"	----- 0.25	3/4"	----- 0.75
	17/64" ----- 0.265625		49/64" ----- 0.76563
9/32"	----- 0.28125		25/32" ----- 0.78125
	19/64" ----- 0.296875		51/64" ----- 0.79669
5/16"	----- 0.3125		13/16" ----- 0.8125
	21/64" ----- 0.328125		53/64" ----- 0.82813
11/32"	----- 0.34375		27/32" ----- 0.84375
	23/64" ----- 0.359375		55/64" ----- 0.85938
3/8"	----- 0.375	7/8"	----- 0.875
	25/64" ----- 0.390625		57/64" ----- 0.89063
13/32"	----- 0.40625		29/32" ----- 0.90625
	27/64" ----- 0.421875		59/64" ----- 0.92188
7/16"	----- 0.4375		15/16" ----- 0.9375
	29/64" ----- 0.453125		61/64" ----- 0.95313
15/32"	----- 0.46875		31/32" ----- 0.96875
	31/64" ----- 0.484375		63/64" ----- 0.98438
1/2"	----- 0.5	1	----- 1

Micron to Mesh Chart

U.S. MESH	INCHES	MICRONS	MILLIMETERS
3	0.265	6730	6.73
4	0.187	4760	4.76
5	0.157	4000	4
6	0.132	3360	3.36
7	0.111	2830	2.83
8	0.0937	2380	2.38
10	0.0787	2000	2
12	0.0661	1680	1.68
14	0.0555	1410	1.41
16	0.0469	1190	1.19
18	0.0394	1000	1
20	0.0331	841	0.841
25	0.028	707	0.707
30	0.0232	595	0.595
35	0.0197	500	0.5

U.S. MESH	INCHES	MICRONS	MILLIMETERS
40	0.0165	400	0.4
45	0.0138	354	0.354
50	0.0117	297	0.297
60	0.0098	250	0.25
70	0.0083	210	0.21
80	0.007	177	0.177
100	0.0059	149	0.149
120	0.0049	125	0.125
140	0.0041	105	0.105
170	0.0035	88	0.088
200	0.0029	74	0.074
230	0.0024	63	0.063
270	0.0021	53	0.053
325	0.0017	44	0.044
400	0.0015	37	0.037

Conversion Calculation Chart

Convert From:	Convert To:	Multiply By:
Inches	mm	25.4
mm	Inches	0.03937
Feet	Meters	0.3048
Meters	Feet	3.2808
Miles	Kilometers	1.609
Kilometers	Miles	0.6214
PSI	BAR	0.069
BAR	PSI	14.504
CFM	Liters/Sec	0.4719
Liters/Sec	CFM	2.1189
Kilograms	Pounds	2.205
Pounds	Kilograms	0.4536

Force = P x A P = Pressure A = Area	½ drop = .015 ml
A = πr²	1 drop = .030 ml
C = πD	2 drops = .060 ml
°F=9/5°C + 32	
°C=5/9(°F-32)	

