

Tapping and Clearance Drills for Metric Machine Screws

Screw Size			Tapping Drills		Clearance Drills			
Nom. Dia. (mm)	Pitch (mm)	Series	Drill Size (65-75% thread)	Dec. Equiv.	Close Fit		Free Fit	
					Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
1	0.20	Fine	0.80	0.0315	1.05	0.0413	1.20	0.0472
	0.25	Coarse	0.75	0.0295				
1.1	0.20	Fine	0.90	0.0354	1.15	0.0453	1.30	0.0512
	0.25	Coarse	0.85	0.0335				
1.2	0.20	Fine	1.00	0.0394	1.30	0.0512	1.50	0.0590
	0.25	Coarse	0.95	0.0374				
1.4	0.20	Fine	1.20	0.0472	1.50	0.0591	1.70	0.0669
	0.30	Coarse	1.10	0.0433				
1.6	0.20	Fine	1.40	0.0551	1.70	0.0669	2.00	0.0787
	0.35	Coarse	1.25	0.0492				
1.8	0.20	Fine	1.60	0.0630	1.90	0.0748	2.20	0.0866
	0.35	Coarse	1.45	0.0571				
2	0.25	Fine	1.75	0.0689	2.20	0.0866	2.60	0.1024
	0.40	Coarse	1.60	0.0630				
2.2	0.25	Fine	1.95	0.0768	2.40	0.0945	2.80	0.1102
	0.45	Coarse	1.75	0.0689				
2.5	0.35	Fine	2.15	0.0846	2.70	0.1063	3.10	0.1220
	0.45	Coarse	2.05	0.0807				
3	0.35	Fine	2.65	0.1043	3.20	0.1260	3.60	0.1417
	0.50	Coarse	2.50	0.0984				
3.5	0.35	Fine	3.15	0.1240	3.70	0.1457	4.20	0.1653
	0.60	Coarse	2.90	0.1142				
4	0.50	Fine	3.50	0.1378	4.30	0.1693	4.80	0.1890

	0.70	Coarse	3.30	0.1299				
4.5	0.50	Fine	4.00	0.1575	4.80	0.1890	5.30	0.2087
	0.75	Coarse	3.70	0.1457				
5	0.50	Fine	4.50	0.1772	5.30	0.2087	5.80	0.2283
	0.80	Coarse	4.20	0.1654				
6	0.75	Fine	5.25	0.2067	6.40	0.2520	7.00	0.2756
	1.00	Coarse	5.00	0.1969				
7	0.75	Fine	6.25	0.2461	7.40	0.2913	8.00	0.3150
	1.00	Coarse	6.00	0.2362				
8	0.75	Fine	7.25	0.2854	8.40	0.3307	10.00	0.3937
	1.00	Fine	7.50	0.2953				
	1.25	Coarse	6.80	0.2677				
9	0.75	Fine	8.25	0.3248	9.50	0.3740	10.50	0.4134
	1.00	Fine	8.00	0.3150				
	1.25	Coarse	7.80	0.3071				
10	0.75	Fine	9.25	0.3642	10.50	0.4134	12.00	0.4724
	1.00	Fine	9.00	0.3543				
	1.25	Fine	8.80	0.3465				
	1.50	Coarse	8.50	0.3346				
11	0.75	Fine	10.25	0.4035	12.00	0.4724	13.00	0.5118
	1.00	Fine	10.00	0.3937				
	1.50	Coarse	9.50	0.3740				
12	1.00	Fine	11.00	0.4331	13.00	0.5118	15.00	0.5905
	1.25	Fine	10.75	0.4232				
	1.50	Fine	10.50	0.4134				
	1.75	Coarse	10.20	0.4016				
14	1.00	Fine	13.00	0.5118	15.00	0.5905	17.00	.6693
	1.25	Fine	12.80	0.5039				
	1.50	Fine	12.50	0.4921				

	2.00	Coarse	12.00	0.4724				
15	1.00	Fine	14.00	0.5512	16.00	0.6299	18.00	0.7087
	1.50	Fine	13.50	0.5315				
16	1.00	Fine	15.00	0.5906	17.00	0.6693	19.00	0.7480
	1.50	Fine	14.50	0.5709				
	2.00	Coarse	14.00	0.5512				
17	1.00	Fine	16.00	0.6299	18.00	0.7087	20.00	0.7874
	1.50	Fine	15.50	0.6103				
18	1.00	Fine	17.00	0.6693	19.00	0.7480	21.00	0.8268
	1.50	Fine	16.50	0.6496				
	2.00	Fine	16.00	0.6299				
	2.50	Coarse	15.50	0.6102				
20	1.00	Fine	19.00	0.7480	21.00	0.8268	24.00	0.9449
	1.50	Fine	18.50	0.7283				
	2.00	Fine	18.00	0.7087				
	2.50	Coarse	17.50	0.6890				
22	1.00	Fine	21.00	0.8268	23.00	0.9055	26.00	1.0236
	1.50	Fine	20.50	0.8071				
	2.00	Fine	20.00	0.7874				
	2.50	Coarse	19.50	0.7677				
24	1.00	Fine	23.00	0.9055	25.00	0.9842	28.00	1.1024
	1.50	Fine	22.50	0.8858				
	2.00	Fine	22.00	0.8661				
	3.00	Coarse	21.00	0.8268				
25	1.00	Fine	24.00	0.9449	26.00	1.0236	30.00	1.1811
	1.50	Fine	23.50	0.9252				
	2.00	Fine	23.00	0.9055				
26	1.50	Fine	24.50	0.9646				
27	1.00	Fine	26.00	1.0236	28.00	1.1024	32.00	1.2598

	1.50	Fine	25.50	1.0039				
	2.00	Fine	25.00	0.9843				
	3.00	Coarse	24.00	0.9449				
28	1.00	Fine	27.00	1.0630				
	1.50	Fine	26.50	1.0433				
	2.00	Fine	26.00	1.0236				
30	1.00	Fine	29.00	1.1417	31.00	1.2205	35.00	1.3779
	1.50	Fine	28.50	1.1220				
	2.00	Fine	28.00	1.1024				
	3.00	Fine	27.00	1.0630				
	3.50	Coarse	26.50	1.0433				
32	1.50	Fine	30.50	1.2008				
	2.00	Fine	30.00	1.1811				
33	1.50	Fine	31.50	1.2402	34.00	1.3386	38.00	1.4961
	2.00	Fine	31.00	1.2205				
	3.00	Fine	30.00	1.1811				
	3.50	Coarse	29.50	1.1614				
35	1.50	Fine	33.50	1.3189				
	2.00	Fine	33.00	1.2992				
36	1.50	Fine	34.50	1.3583	37.00	1.4567	42.00	1.6535
	2.00	Fine	34.00	1.3386				
	3.00	Fine	33.00	1.2992				
	4.00	Coarse	32.00	1.2598				
39	1.50	Fine	37.50	1.4764	40.00	1.5748	45.00	1.7716
	2.00	Fine	37.00	1.4567				
	3.00	Fine	36.00	1.4173				
	4.00	Coarse	35.00	1.3780				
40	1.50	Fine	38.50	1.5157				
	2.00	Fine	38.00	1.4961				

	3.00	Fine	37.00	1.4567				
42	0.75	*	41.25	1.6240	43.00	1.6929	48.00	1.8898
	1.50	Fine	40.50	1.5945				
	2.00	Fine	40.00	1.5748				
	3.00	Fine	39.00	1.5354				
	4.00	Fine	38.00	1.4961				
	4.50	Coarse	37.50	1.4764				
45	1.50	Fine	43.50	1.7126	46.00	1.8110	52.00	2.0472
	2.00	Fine	43.00	1.6929				
	3.00	Fine	42.00	1.6535				
	4.00	Fine	41.00	1.6142				
	4.50	Coarse	40.50	1.5945				
48	1.50	Fine	46.50	1.8307	50.00	1.9685	56.00	2.2047
	2.00	Fine	46.00	1.8110				
	3.00	Fine	45.00	1.7717				
	4.00	Fine	44.00	1.7323				
	5.00	Coarse	43.00	1.6929				
50	1.50	Fine	48.50	1.9094				
	2.00	Fine	48.00	1.8898				
	3.00	Fine	47.00	1.8504				
52	1.50	Fine	50.50	1.9882	54.00	2.1260	62.00	2.4409
	2.00	Fine	50.00	1.9685				
	3.00	Fine	49.00	1.9291				
	4.00	Fine	48.00	1.8898				
	5.00	Coarse	47.00	1.8504				
55	1.50	Fine	53.50	2.1063				
	2.00	Fine	53.00	2.0866				
	3.00	Fine	52.00	2.0472				
	4.00	Fine	51.00	2.0079				

56	1.50	Fine	54.50	2.1457	58.00	2.2835	66.00	2.5984
	2.00	Fine	54.00	2.1260				
	3.00	Fine	53.00	2.0866				
	4.00	Fine	52.00	2.0472				
	5.50	Coarse	50.50	1.9882				
Nom. Dia. (mm)	Pitch (mm)	Series	Drill Size (65-75% thread)	Dec. Equiv.	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
					Close Fit		Free Fit	
Screw Size			Tapping Drills		Clearance Drills			

* The thread size of a T-mount camera lens.

Notes

1 millimeter = 0.03937 inch

Tap Drill Size (65-75% thread) = Nominal Diameter - One Pitch Length

example: Tap Drill for 1.4x0.3 is 1.1 mm (1.1 = 1.4 - 0.3)

Fabrication

Tapping and Clearance Drills for Fractional Machine Screws

Screw Size				Tapping Drills			Clearance Drills			
Nom. Dia. (in)	Threads /Inch	Series	Dec. Equiv.	Drill Size (65-75% thread)	Equivalents		Close Fit		Free Fit	
					(decimal)	(mm)	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
1/16	64	NS	0.0625	3/64"	0.0469	1.1913	52	0.0635	51	0.0670
	72	NS		3/64"	0.0469	1.1913				
5/64	60	NS	0.0781	1/16"	0.0625	1.5875	46	0.0810	45	0.0820
	72	NS		52	0.0635	1.6129				
3/32	48	NS	0.0938	49	0.0730	1.8542	41	0.0960	40	0.0980
	50	NS		49	0.0730	1.8542				
7/64	48	NS	0.1094	43	0.0890	2.2606	34	0.1110	32	0.1160
1/8	32	NS	0.1250	3/32"	0.0938	2.3825	30	0.1285	29	0.1360
	40	NS		38	0.1015	2.5781				
9/64	40	NS	0.1406	32	0.1160	2.9464	27	0.1440	26	0.1470
5/32	32	NS	0.1563	1/8"	0.1250	3.1750	20	0.1610	19	0.1660
	36	NS		30	0.1285	3.2639				
11/64	32	NS	0.1719	9/64"	0.1406	3.5712	16	0.1770	15	0.1800
3/16	24	NS	0.1875	26	0.1470	3.7338	11	0.1910	9	0.1960
	32	NS		22	0.1570	3.9878				
13/64	24	NS	0.2031	20	0.1610	4.0894	4	0.2090	3	0.2130
7/32	24	NS	0.2188	16	0.1770	4.4958	2	0.2210	1	0.2280
	32	NS		12	0.1890	4.8006				
15/64	24	NS	0.2344	10	0.1935	4.9149	C	0.2420	D	0.2460
1/4	20	NC	0.2500	7	0.2010	5.1054	F	0.2570	H	0.2660
	24	NS		4	0.2090	5.3086				

	27	NS		3	0.2130	5.4102				
	28	NF		3	0.2130	5.4102				
	32	NEF		7/32"	0.2188	5.5575				
5/16	18	NC	0.3125	F	0.2570	6.5278	P	0.3230	Q	0.3320
	20	NS		17/64"	0.2656	6.7462				
	24	NF		I	0.2720	6.9088				
	27	NS		J	0.2770	7.0358				
	32	NEF		9/32"	0.2812	7.1425				
3/8	16	NC	0.3750	5/16"	0.3125	7.9375	W	0.3860	X	0.3970
	20	NS		21/64"	0.3281	8.3337				
	24	NF		Q	0.3320	8.4328				
	27	NS		R	0.3390	8.6106				
	32	NEF		11/32"	0.3438"	8.7325				
7/16	14	NC	0.4375	U	0.3680	9.3472	29/64"	0.4531	15/32"	0.4687
	20	NF		25/64"	0.3906	9.9212				
	24	NS		X	0.3970	10.0838				
	27	NS		Y	0.4040	10.2616				
	28	NEF		15/32"	0.4688	11.9075				
1/2	12	NS	0.5000	27/64"	0.4219	10.7163	33/64"	0.5156	17/32"	0.5312
	13	NC		27/64"	0.4219	10.7163				
	20	NF		29/64"	0.4531	11.5087				
	24	NS		29/64"	0.4531	11.5087				
	27	NS		15/32"	0.4688	11.9075				
	28	NEF		15/32"	0.4688	11.9075				
9/16	12	NC	0.5625	31/64"	0.4844	12.3038	37/64"	0.5781	19/32"	0.5938
	18	NF		33/64"	0.5156	13.0962				
	24	NEF		33/64"	0.5156	13.0962				
	27	NS		17/32"	0.5313	13.4950				
5/8	11	NC	0.6250	17/32"	0.5313	13.4950	41/64"	0.6406	21/32"	0.6562

	12	NS		35/64"	0.5469	13.8913				
	18	NF		37/64"	0.5781	14.6837				
	24	NEF		37/64"	0.5781	14.6837				
	27	NS		19/32"	0.5937	15.0800				
11/16	11	NS	0.6875	19/32"	0.5937	15.0800	45/64"	0.7031	23/32"	0.6562
	16	NS		5/8"	0.6250	15.8750				
	24	NEF		41/64"	0.6406	16.4084				
3/4	10	NC	0.7500	21/32"	0.6562	16.6675	49/64"	0.7656	25/32"	0.7812
	12	NS		43/64"	0.6719	17.0663				
	16	NF		11/16"	0.6875	17.4625				
	20	NEF		45/64"	0.7031	17.8587				
	27	NS		23/32"	0.7187	18.2550				
13/16	10	NS	0.8125	23/32"	0.7187	18.2550	53/64"	0.8281	27/32"	0.8438
	20	NEF		49/64"	0.7656	19.4462				
7/8	9	NC	0.8750	49/64"	0.7656	19.4462	57/64"	0.8906	29/32"	0.9062
	12	NS		51/64"	0.7969	20.2413				
	14	NF		13/16"	0.8125	20.6375				
	18	NS		53/64"	0.8281	21.0337				
	20	NEF		53/64"	0.8281	21.0337				
	27	NS		27/32"	0.8437	21.4300				
15/16	9	NS	0.9375	53/64"	0.8281	21.0337	61/64"	0.9531	31/32"	0.9688
	20	NEF		57/64"	0.8906	22.6212				
1	8	NC	1.0000	7/8"	0.8750	22.2250	1-1/64"	1.0156	1-1/32"	1.0313
	12	NF		59/64"	0.9219	23.4163				
	14	NS		15/16"	0.9375	23.8125				
	20	NEF		61/64"	0.9531	24.2087				
	27	NS		31/32"	0.9687	24.6050				
	32	*		31/32"	0.9687	24.6050				
1-1/16	18	NEF	1.0625	1"	1.0000	25.4000	1-5/64"	1.0781	1-3/32"	1.0938

1-1/8	7	NC	1.1250	63/64"	0.9844	25.0038	1-9/64"	1.1406	1-5/32"	1.1562
	12	NF		1-3/64"	1.0469	26.5913				
	18	NEF		1-1/16"	1.0625	26.9875				
1-3/16	18	NEF	1.1875	1-1/8"	1.1250	28.5750	1-13/64"	1.2031	1-7/32"	1.2188
1-1/4	7	NC	1.2500	1-7/64"	1.1094	28.1788	1-17/64"	1.2656	1-9/32"	1.2812
	12	NF		1-11/64"	1.1719	29.7663				
	18	NEF		1-3/16"	1.1875	30.1625				
1-5/16	18	NEF	1.3125	1-1/4"	1.2500	31.7500	1-21/64"	1.3281	1-11/32"	1.3438
1-3/8	6	NC	1.3750	1-7/32"	1.2188	30.9575	1-25/64"	1.3906	1-13/32"	1.4062
	12	NF		1-19/64"	1.2969	32.9413				
	18	NEF		1-5/16"	1.3125	33.3375				
1-7/16	18	NEF	1.3693	1-3/8"	1.3750	34.9250	1-29/64"	1.4531	1-15/32"	1.4688
1-1/2	6	NC	1.5000	1-11/32"	1.3438	34.1325	1-33/64"	1.5156	1-17/32"	1.5312
	12	NF		1-27/64"	1.4219	36.1163				
	18	NEF		1-7/16"	1.4375	36.5125				
1-9/16	18	NEF	1.5625	1-1/2"	1.5000	38.1000	1-37/64"	1.5781	1-19/32"	1.5938
1-5/8	5 1/2	NS	1.6250	1-29/64"	1.4531	36.9087	1-41/64"	1.6406	1-21/32"	1.6562
	18	NEF		1-9/16"	1.5625	39.6875				
1-11/16	18	NEF	1.6875	1-5/8"	1.6250	41.2750	1-45/64"	1.7031	1-23/32"	1.7188
1-3/4	5	NC	1.7500	1-9/16"	1.5625	39.6875	1-49/64"	1.7659	1-25/32"	1.7812
1-7/8	5	NS	1.8750	1-11/16"	1.6875	42.8625				
2	4 1/2	NC	2.0000	1-25/32"	1.7813	45.2450				

Nom. Dia. (in)	Threads /Inch	Series	Dec. Equiv.	Drill Size	(decimal)	(mm)	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
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				(65-75% thread)	Equivalentents	Close Fit	Free Fit
Screw Size				Tapping Drills		Clearance Drills	

* The thread size of a C-mount camera lens.

Notes

Thread Series

National Coarse (NC)

National Fine (NF)

National Extra Fine (NEF)

National Special (NS)

1 inch = 25.4 millimeters

Tap Drill Size (65-75% thread) = Nominal Diameter - One Pitch Length

example: Tap Drill for 1/4-20 NC screw is #7, closest drill to 0.2000 inches ($0.2000 = 0.2500 - 0.0500$)

Pitch (in.) = $1 / (\text{Threads per Inch})$

example: Pitch of 20 Threads per Inch is 0.0500 inches ($0.0500 = 1/20$)

Fabrication

Tapping and Clearance Drills for Number Machine Screws

Screw Size				Tapping Drills			Clearance Drills			
Number	Threads /Inch	Series	Nom. Dia. (in)	Drill Size (65-75% thread)	Equivalentents		Close Fit		Free Fit	
					(decimal)	(mm)	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
000	120		0.0340	71	0.0260	0.6604	65	0.0350	62	0.0380
00	90		0.0470	65	0.0350	0.8890	3/64"	0.0469	55	0.0520
0	80	NF	0.0600	3/64"	0.0469	1.1913	52	0.0635	50	0.0700
1	56	NS	0.0730	54	0.0550	1.3970	48	0.0760	46	0.0810
	64	NC		53	0.0595	1.5113				
	72	NF		53	0.0595	1.5113				
2	56	NC	0.0860	50	0.0700	1.7780	43	0.0890	41	0.0960
	64	NF		50	0.0700	1.7780				
3	48	NC	0.0990	47	0.0785	1.9939	37	0.1040	35	0.1100
	56	NF		45	0.0820	2.0828				
4	36	NS	0.1120	44	0.0860	2.1844	32	0.1160	30	0.1285
	40	NC		43	0.0890	2.2606				
	48	NF		42	0.0935	2.3749				
5	40	NC	0.1250	38	0.1015	2.5781	30	0.1285	29	0.1360
	44	NF		37	0.1040	2.6416				
6	32	NC	0.1380	36	0.1065	2.7051	27	0.1440	25	0.1495
	36	NS		34	0.1110	2.8194				
	40	NF		33	0.1130	2.8702				
8	32	NC	0.1640	29	0.1360	3.4544	18	0.1695	16	0.1770
	36	NF		29	0.1360	3.4544				
	40	NS		28	0.1405	3.5687				

10	24	NC	0.1900	25	0.1495	3.7973	9	0.1960	7	0.2010
	30	NS		22	0.1570	3.9878				
	32	NF		21	0.1590	4.0386				
12	24	NC	0.2160	16	0.1770	4.4958	2	0.2210	1	0.2280
	28	NF		14	0.1820	4.6228				
	32	NEF		13	0.1850	4.6990				
14	20	NS	0.2420	10	0.1935	4.9149	D	0.2460	F	0.2570
	24	NS		7	0.2010	5.1054				
Number	Threads /Inch	Series	Nom. Dia. (in)	Drill Size (65-75% thread)	(decimal)	(mm)	Drill Size	Dec. Equiv.	Drill Size	Dec. Equiv.
					Equivalentents					
Screw Size				Tapping Drills			Clearance Drills			

Notes

Thread Series

National Coarse (NC)

National Fine (NF)

National Extra Fine (NEF)

National Special (NS)

1 inch = 25.4 millimeters

Tap Drill Size (65-75% thread) = Nominal Diameter - One Pitch Length

example: Tap Drill for #6-32 NC screw is #36, closest drill to 0.1067 inches ($0.1067 = 0.1380 - 0.0313$)

Nominal Diameter of Number Screw (in.) = (Screw Number x 0.0130) + 0.0600

example: Nominal Diameter of #6 screw is 0.1380 inches [$0.1380 = (6 \times 0.0130) + 0.0600$]

Pitch (in.) = 1 / (Threads per Inch)

example: Pitch of 32 threads per inch is 0.0313 inches ($0.0313 = 1/32$)

Fabrication

Drill Size Conversions

Fract. (in)	Decimal (in)	Wire No. /Letter	Metric (mm)	Fract. (in)	Decimal (in)	Wire No. /Letter	Metric (mm)	Fract. (in)	Decimal (in)	Wire No. /Letter	Metric (mm)
	0.0098		0.25		0.1065	36			0.3480	S	
	0.0118		0.30	7/64	0.1094				0.3543		9.00
	0.0135	80			0.1100	35			0.3580	T	
	0.0138		0.35		0.1102		2.80	23/64	0.3594		
	0.0145	79			0.1110	34			0.3680	U	
1/64	0.0156				0.1130	33			0.3740		9.50
	0.0157		0.40		0.1142		2.90	3/8	0.3750		
	0.0160	78			0.1160	32			0.3770	V	
	0.0177		0.45		0.1181		3.00		0.3860	W	
	0.0180	77			0.1200	31		25/64	0.3906		
	0.0197		0.50	1/8	0.1250				0.3937		10.00
	0.0200	76			0.1285	30			0.3970	X	
	0.0210	75			0.1360	29			0.4040	Y	
	0.0217		0.55		0.1378		3.50	13/32	0.4063		
	0.0225	74			0.1405	28			0.4130	Z	
	0.0236		0.60	9/64	0.1406				0.4134		10.50
	0.0240	73			0.1440	27		27/64	0.4219		
	0.0250	72			0.1470	26			0.4331		11.00
	0.0256		0.65		0.1495	25		7/16	0.4375		
	0.0260	71			0.1520	24			0.4528		11.50
	0.0276		0.70		0.1540	23		29/64	0.4531		
	0.0280	70		5/32	0.1563			15/32	0.4688		
	0.0292	69			0.1570	22			0.4724		12.00

	0.0295		0.75		0.1575		4.00	31/64	0.4844		
	0.0310	68			0.1590	21			0.4921		12.50
1/32	0.0313				0.1610	20		1/2	0.5000		
	0.0315		0.80		0.1660	19			0.5118		13.00
	0.0320	67			0.1695	18		33/64	0.5156		
	0.0330	66		11/64	0.1719			17/32	0.5313		
	0.0335		0.85		0.1730	17			0.5315		13.50
	0.0350	65			0.1770	16		35/64	0.5469		
	0.0354		0.90		0.1772		4.50		0.5512		14.00
	0.0360	64			0.1800	15		9/16	0.5625		
	0.0370	63			0.1820	14			0.5709		14.50
	0.0374		0.95		0.1850	13		37/64	0.5781		
	0.0380	62		3/16	0.1875				0.5905		15.00
	0.0390	61			0.1890	12		19/32	0.5938		
	0.0394		1.00		0.1910	11		39/64	0.6094		
	0.0400	60			0.1935	10			0.6102		15.50
	0.0410	59			0.1960	9		5/8	0.6250		
	0.0420	58			0.1968		5.00		0.6299		16.00
	0.0430	57			0.1990	8		41/64	0.6406		
	0.0433		1.10		0.2010	7			0.6496		16.50
	0.0465	56		13/64	0.2031			21/32	0.6563		
3/64	0.0469				0.2040	6			0.6693		17.00
	0.0472		1.20		0.2055	5		43/64	0.6719		
	0.0512		1.30		0.2090	4		11/16	0.6875		
	0.0520	55			0.2130	3			0.6890		17.50
	0.0550	54			0.2165		5.50	45/64	0.7031		
	0.0551		1.40	7/32	0.2188				0.7087		18.00
	0.0591		1.50		0.2210	2		23/32	0.7188		
	0.0595	53			0.2280	1			0.7283		18.50

1/16	0.0625				0.2340	A		47/64	0.7344		
	0.0630		1.60	15/64	0.2344				0.7480		19.00
	0.0635	52			0.2362		6.00	3/4	0.7500		
	0.0669		1.70		0.2380	B		49/64	0.7656		
	0.0670	51			0.2420	C			0.7677		19.50
	0.0700	50			0.2460	D		25/32	0.7813		
	0.0709		1.80	1/4	0.2500	E			0.7874		20.00
	0.0730	49			0.2559		6.50	51/64	0.7969		
	0.0748		1.90		0.2570	F			0.8071		20.50
	0.0760	48			0.2610	G		13/16	0.8125		
5/64	0.0781			17/64	0.2656				0.8268		21.00
	0.0785	47			0.2660	H		53/64	0.8281		
	0.0787		2.00		0.2720	I		27/32	0.8438		
	0.0810	46			0.2756		7.00		0.8465		21.50
	0.0820	45			0.2770	J		55/64	0.8594		
	0.0827		2.10		0.2810	K			0.8661		22.00
	0.0860	44		9/32	0.2813			7/8	0.8750		
	0.0866		2.20		0.2900	L			0.8858		22.50
	0.0890	43			0.2950	M		57/64	0.8906		
	0.0906		2.30		0.2953		7.50		0.9055		23.00
	0.0935	42		19/64	0.2969			29/32	0.9063		
3/32	0.0938				0.3020	N		59/64	0.9219		
	0.0945		2.40	5/16	0.3125				0.9252		23.50
	0.0960	41			0.3150		8.00	15/16	0.9375		
	0.0980	40			0.3160	O			0.9449		24.00
	0.0984		2.50		0.3230	P		61/64	0.9531		
	0.0995	39		21/64	0.3281				0.9646		24.50
	0.1015	38			0.3320	Q		31/32	0.9688		
	0.1024		2.60		0.3346		8.50		0.9842		25.00

	0.1040	37			0.3390	R		63/64	0.9844		
	0.1063		2.70	11/32	0.3438			1	1.0000		
Fract. (in)	Decimal (in)	Wire No. /Letter	Metric (mm)	Fract. (in)	Decimal (in)	Wire No. /Letter	Metric (mm)	Fract. (in)	Decimal (in)	Wire No. /Letter	Metric (mm)

Notes

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