

## STANDARD DATA

TABLE 1  
Decimal equivalents of fractions of an inch

		$\frac{1}{64}$	0.015 625			$\frac{33}{64}$	0.515 625
	$\frac{1}{32}$		0.031 25		$\frac{17}{32}$		0.531 25
		$\frac{3}{64}$	0.046 875			$\frac{35}{64}$	0.546 875
$\frac{1}{16}$		$\frac{5}{64}$	0.062 5	$\frac{9}{16}$		$\frac{37}{64}$	0.562 5
	$\frac{3}{32}$		0.078 125		$\frac{19}{32}$		0.578 125
		$\frac{7}{64}$	0.093 75			$\frac{39}{64}$	0.593 75
$\frac{1}{8}$		$\frac{9}{64}$	0.109 375	$\frac{5}{8}$		$\frac{41}{64}$	0.609 375
	$\frac{5}{32}$		0.125		$\frac{21}{32}$		0.625
		$\frac{11}{64}$	0.140 625			$\frac{43}{64}$	0.640 625
	$\frac{3}{16}$		0.156 25	$\frac{11}{16}$		$\frac{45}{64}$	0.656 25
		$\frac{13}{64}$	0.171 875		$\frac{23}{32}$		0.671 875
		$\frac{15}{64}$	0.187 5			$\frac{47}{64}$	0.687 5
	$\frac{7}{32}$		0.203 125		$\frac{25}{32}$		0.703 125
		$\frac{17}{64}$	0.218 75			$\frac{49}{64}$	0.718 75
$\frac{1}{4}$		$\frac{19}{64}$	0.234 375	$\frac{3}{4}$		$\frac{51}{64}$	0.734 375
		$\frac{21}{64}$	0.25		$\frac{27}{32}$		0.75
	$\frac{9}{32}$		0.265 625			$\frac{53}{64}$	0.765 625
		$\frac{23}{64}$	0.281 25		$\frac{29}{32}$		0.781 25
		$\frac{25}{64}$	0.296 875			$\frac{55}{64}$	0.796 875
$\frac{5}{16}$		$\frac{27}{64}$	0.312 5	$\frac{13}{16}$		$\frac{57}{64}$	0.812 5
		$\frac{29}{64}$	0.328 125		$\frac{31}{32}$		0.828 125
	$\frac{11}{32}$		0.343 75			$\frac{59}{64}$	0.843 75
		$\frac{31}{64}$	0.359 375		$\frac{33}{32}$		0.859 375
		$\frac{33}{64}$	0.375	$\frac{7}{8}$		$\frac{61}{64}$	0.875
$\frac{3}{8}$		$\frac{35}{64}$	0.390 625			$\frac{63}{64}$	0.890 625
		$\frac{37}{64}$	0.406 25		$\frac{35}{32}$		0.906 25
	$\frac{13}{32}$		0.421 875			$\frac{65}{64}$	0.921 875
		$\frac{39}{64}$	0.437 5		$\frac{37}{32}$		0.937 5
$\frac{7}{16}$		$\frac{41}{64}$	0.453 125	$\frac{15}{16}$		$\frac{67}{64}$	0.953 125
		$\frac{43}{64}$	0.468 75		$\frac{39}{32}$		0.968 75
	$\frac{15}{32}$		0.484 375			$\frac{69}{64}$	0.984 375
		$\frac{45}{64}$	0.5		$\frac{41}{32}$		
$\frac{1}{2}$							

TABLE 2  
Standard wire gauge (S.W.G.)

Gauge	Inches	Gauge	Inches
7/0	0.5000	23	0.0240
6/0	0.4640	24	0.0220
5/0	0.4320	25	0.0200
4/0	0.4000	26	0.0180
3/0	0.3720	27	0.0164
2/0	0.3480	28	0.0148
0	0.3240	29	0.0136
1	0.3000	30	0.0124
2	0.2760	31	0.0116
3	0.2520	32	0.0108
4	0.2320	33	0.0100
5	0.2120	34	0.0092
6	0.1920	35	0.0084
7	0.1760	36	0.0076
8	0.1600	37	0.0068
9	0.1440	38	0.0060
10	0.1280	39	0.0052
11	0.1160	40	0.0048
12	0.1040	41	0.0044
13	0.0920	42	0.0040
14	0.0800	43	0.0036
15	0.0720	44	0.0032
16	0.0640	45	0.0028
17	0.0560	46	0.0024
18	0.0480	47	0.0020
19	0.0400	48	0.0016
20	0.0360	49	0.0012
21	0.0320	50	0.0010
22	0.0280		

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STANDARD DATA—continued

TABLE 3  
Number Drills

Number	Dia. (in.)	Number	Dia. (in.)	Number	Dia. (in.)	Number	Dia. (in.)
80	0-0135	60	0-0400	40	0-0980	20	0-1610
79	0-0145	59	0-0410	39	0-0995	19	0-1660
78	0-0160	58	0-0420	38	0-1015	18	0-1695
77	0-0180	57	0-0430	37	0-1040	17	0-1730
76	0-0200	56	0-0465	36	0-1065	16	0-1770
75	0-0210	55	0-0520	35	0-1100	15	0-1800
74	0-0225	54	0-0550	34	0-1110	14	0-1820
73	0-0240	53	0-0595	33	0-1130	13	0-1850
72	0-0250	52	0-0635	32	0-1160	12	0-1890
71	0-0260	51	0-0670	31	0-1200	11	0-1910
70	0-0280	50	0-0700	30	0-1285	10	0-1935
69	0-0292	49	0-0730	29	0-1360	9	0-1960
68	0-0310	48	0-0760	28	0-1405	8	0-1990
67	0-0320	47	0-0785	27	0-1440	7	0-2010
66	0-0330	46	0-0810	26	0-1470	6	0-2040
65	0-0350	45	0-0820	25	0-1495	5	0-2055
64	0-0360	44	0-0860	24	0-1520	4	0-2090
63	0-0370	43	0-0890	23	0-1540	3	0-2130
62	0-0380	42	0-0935	22	0-1570	2	0-2210
61	0-0390	41	0-0960	21	0-1590	1	0-2280

TABLE 4  
Letter Drills

Letter	Dia. (in.)	Letter	Dia. (in.)
A	0-2340	O	0-3160
B	0-2380	P	0-3230
C	0-2420	Q	0-3320
D	0-2460	R	0-3390
E	0-2500	S	0-3480
F	0-2570	T	0-3580
G	0-2610	U	0-3680
H	0-2660	V	0-3770
I	0-2720	W	0-3860
J	0-2770	X	0-3970
K	0-2810	Y	0-4040
L	0-2900	Z	0-4130
M	0-2950		
N	0-3020		

## STANDARD DATA—Continued

TABLE 5

## Tapping drills, metric sizes

Metric tapping drill (mm.)	Thread size and form
1.05	12 B.A.
1.40	10 B.A.
1.50	9 B.A.
1.80	8 B.A.
2.05	7 B.A.
2.25	6 B.A.
2.65	5 B.A.
2.95	4 B.A.
3.45	3 B.A.
4.00	2 B.A.
4.50	1 B.A.
5.10	0 B.A.
4.60	$\frac{7}{32}$ in. B.S.F.
5.30	$\frac{1}{4}$ in. B.S.F.
6.75	$\frac{5}{16}$ in. B.S.F.
8.20	$\frac{3}{8}$ in. B.S.F.
9.70	$\frac{7}{16}$ in. B.S.F.

Metric tapping drill (mm.)	Thread size and form
3.65	$\frac{3}{16}$ in. B.S.W.
5.10	$\frac{1}{4}$ in. B.S.W.
6.50	$\frac{5}{16}$ in. B.S.W.
9.25	$\frac{7}{16}$ in. B.S.W.
10.50	$\frac{1}{2}$ in. B.S.W.
5.00	6 mm Metric (S.I.)
6.00	7 mm Metric (S.I.)
6.60	8 mm Metric (S.I.)
7.70	9 mm Metric (S.I.)
8.40	10 mm Metric (S.I.)
9.50	11 mm Metric (S.I.)
10.25	12 mm Metric (S.I.)
1.85	2 A.N.C.
2.10	3 A.N.C.
2.35	4 A.N.C.
2.65	5 A.N.C.
2.85	6 A.N.C.
3.50	8 A.N.C.
3.90	10 A.N.C.
4.55	12 A.N.C.

Metric tapping drill (mm.)	Thread size and form
1.85	2 A.N.F.
2.15	3 A.N.F.
2.70	5 A.N.F.
2.95	6 A.N.F.
3.50	8 A.N.F.
4.10	10 A.N.F.
4.60	12 A.N.F.
5.20	$\frac{1}{4}$ in. U.N.C.
6.60	$\frac{5}{16}$ in. U.N.C.
8.00	$\frac{3}{8}$ in. U.N.C.
9.30	$\frac{7}{16}$ in. U.N.C.
5.40	$\frac{1}{4}$ in. U.N.F.
6.90	$\frac{5}{16}$ in. U.N.F.
8.40	$\frac{3}{8}$ in. U.N.F.
9.80	$\frac{7}{16}$ in. U.N.F.

**Note . . .**

U.N.C. Unified coarse thread.  
 U.N.F. Unified fine thread.  
 A.N.F. American National fine.  
 A.N.C. American National coarse.  
 Metric S.I. Metric System International.

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