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TO: WICKS AIRCRAFT SUPPLY  
410 Pine Street  
Highland, Illinois 62249

## GAGE DECIMALS

GAGE NO.	GAGE DECIMAL			
	NON FERROUS	STEEL SHEET	STRIP & TUBING	BASIC WIRE
000000	.5800	-	-	.4615
00000	.5165	-	.500	.4305
0000	.4600	-	.454	.3938
000	.4096	-	.425	.3625
00	.3648	-	.380	.3310
0	.3249	-	.340	.3065
1	.2893	-	.300	.2830
2	.2576	-	.284	.2625
3	.2294	.2391	.259	.2437
4	.2043	.2242	.238	.2253
5	.1819	.2092	.220	.2070
6	.1620	.1943	.203	.1920
7	.1443	.1793	.180	.1770
8	.1284	.1644	.165	.1620
9	.1144	.1495	.148	.1483
10	.1019	.1345	.134	.1350
11	.0907	.1196	.120	.1205
12	.0808	.1046	.109	.1055
13	.0720	.0897	.095	.0915
14	.0641	.0747	.083	.0800
15	.0571	.0673	.072	.0720
16	.0508	.0598	.065	.0625
17	.0453	.0538	.058	.0540
18	.0403	.0478	.049	.0475
19	.0359	.0418	.042	.0410
20	.0320	.0359	.035	.0348
21	.0285	.0329	.032	.0317
22	.0253	.0299	.028	.0286
23	.0226	.0269	.025	.0258
24	.0201	.0239	.022	.0230
25	.0179	.0209	.020	.0204
26	.0159	.0179	.018	.0181
27	.0142	.0164	.016	.0173
28	.0126	.0149	.014	.0162
29	.0113	.0135	.013	.0150
30	.0100	.0120	.012	.0140
31	.0089	.0105	.010	.0132
32	.0080	.0097	.009	.0128
33	.0071	.0090	.008	.0118
34	.0063	.0082	.007	.0104
35	.0056	.0075	.005	.0095
36	.0050	.0067	.004	.0090
37	.0045	.0064	-	.0085
38	.0040	.0060	-	.0080

Non Ferrous: Aluminum sheet; Brass sheet, strip, wire, tube; Bronze, sheet, strip wire; Cooper strip, tube, wire;  
 Steel sheet: Flat or coil; Hot or Cold rolled  
 Tubing: Aluminum; Steel; Stainless Steel; Flat wire; Strip steel, stainless;  
 Wire: Basic steel wire all finishes

## SCREW THREADS AND TAP DRILL SIZES

UNC or NC Machine Screw Sizes				UNC or NC Fractional Sizes		
TAP SIZE	THDS P/IN	TAP DRILL	BODY DRILL	TAP SIZE	THDS. P/IN	TAP DRILL
1	64	53	48	1/4	20	7
2	56	50	44	5/16	18	F
3	48	47	39	3/8	16	5/16
4	40	43	33	7/16	14	U
5	40	38	1/8	1/2	13	27/43
6	32	36	28	9/16	12	31/64
8	32	29	19	5/8	11	17/32
10	24	25	11	3/4	10	21/32
12	24	61	7/32	7/8	9	49/64
				1	8	7/8

  

UNF or NF Machine Screw Sizes				UNF or NF Fractional Sizes		
TAP SIZE	THDS P/IN	TAP DRILL	BODY DRILL	TAP SIZE	THDS. P/IN	TAP DRILL
0	80	3/16	1/16	1/4	28	3
1	72	53	48	5/16	24	I
2	64	50	44	3/8	24	Q
3	56	45	39	7/16	20	25/64
4	48	42	33	1/2	20	29/64
5	44	37	1/8	9/16	18	33/64
6	40	33	28	5/8	18	37/64
8	36	29	19	3/4	16	11/16
10	32	21	11	7/8	14	13/16
12	28	14	7/32	1	12	59/64

## DECIMAL EQUIVALENTS

Fraction of Inch	Decimal Inch	Decimal Millimeters	Fraction of Inch	Decimal Inch	Decimal Millimeters
1/64	.015625	0.39688	33/64	.515625	13.09690
1/32	.03125	0.79376	17/32	.53125	13.49378
3/64	.046875	1.19063	35/64	.546875	13.89065
1/16	.0625	1.58750	9/16	.5625	14.28753
5/64	.078125	1.98438	37/64	.578125	14.68440
3/32	.09375	2.38125	19/32	.59375	15.08128
7/64	.109375	2.77813	39/64	.609375	15.47816
1/8	.125	3.17501	5/8	.625	15.87503
9/64	.140625	3.57188	41/64	.640625	16.27191
5/32	.15625	3.96876	21/32	.65625	16.66878
11/64	.171875	4.36563	43/64	.671875	17.06566
3/16	.1875	4.76251	11/16	.6875	17.46253
13/64	.203125	5.15939	45/64	.703125	17.85941
7/32	.21875	5.55626	23/32	.71875	18.25629
15/64	.234375	5.95314	47/64	.734375	18.65316
1/4	.25	6.35001	3/4	.75	19.05004
17/64	.265625	6.74689	49/64	.765625	19.44691
9/32	.28125	7.14376	25/32	.78125	19.84379
19/64	.296875	7.54064	51/64	.796875	20.24067
5/16	.3125	7.93752	13/16	.8125	20.63754
21/64	.328125	8.33439	53/64	.828125	21.03442
11/32	.34375	8.73127	27/32	.84375	21.43129
13/64	.359375	9.12814	55/64	.859375	21.82817
3/8	.375	9.52502	7/8	.875	22.22504
25/64	.390625	9.92189	57/64	.890625	22.62192
13/32	.40625	10.31877	29/32	.90625	23.01880
27/64	.421875	10.71565	59/64	.921875	23.41567
7/16	.4375	11.11252	15/16	.9375	23.81255
29/64	.453125	11.50940	61/64	.953125	24.20942
15/32	.46875	11.90627	31/32	.96875	24.60630
31/64	.484375	12.30315	63/64	.984375	25.00318
1/2	.5	12.70003	1	1	25.40005

## ENGINE COLOR CODE IDENTIFIERS

Location - between push rods on fins, or around cylinder base

Gray or unpainted .....Standard steel cylinder barrels  
 Orange.....Chrome plated cylinder barrels  
 Bleu.....Nitride hardened cylinder barrels  
 Green .....Steel cylinder 0.010 oversize  
 Yellow .....Steel cylinder 0.020 oversize

## SPARK PLUG COLOR IDENTIFIER

Location - Fins between spark plug hole and rocker box.

Gray or unpainted.....Short reach plug  
 Yellow .....Long reach plug

## COPPER ELECTRIC WIRE CURRENT CARRYING CAPACITY

Wire Size Spec	Single wire in free air-max. amperers	Wire in conduit or bundled-max. amperers	Max. Resistance ohms 1,000 ft
MIL-W-5086			
AN-20	11	7.5	10.25
AN-18	16	10	6.44
AN-16	22	13	4.76
AN-14	32	17	2.99
AN10	55	33	1.20
AN-8	73	46	.70
AN-6	101	60	.436
AN-4	135	80	.274
AN-2	181	100	.179
AN-1	211	125	.146
AN-0	245	150	.114
AN-00	283	175	.090
AN-000	328	200	.072

## WIRE/ CIRCUIT PROTECTOR CHART- AN GAUGE COPPER

Wire Gauge	Amp C/B	Amp Fuse	Wire Gauge	Amp C/B	Amp Fuse
22	5	5	10	35 (40)	30
20	7.5	5	8	50	50
18	10	10	6	80	70
16	15	10	4	100	70
14	20	15	2	125	100
12	25 (30)	20	1		150