



# SIGMA AEROSPACE METALS, LLC

*"EXPERTS IN QUALITY and RELIABLE SERVICE"*

The Complete Source for  
**ALL METALS**



- Aluminum
- Titanium And Nickel Alloys
- Alloy Steel
- Stainless Steel
- Bronze, Brass, Copper
- Carbon Steel

631 243-2100



800 471-7890

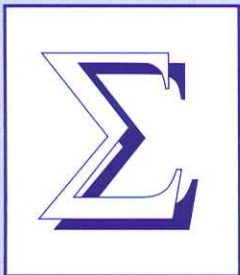


Fax: 631 231-7446

e-mail: [sales@sigmaaero.com](mailto:sales@sigmaaero.com)

[www.sigmaaero.com](http://www.sigmaaero.com)





## **SIGMA AEROSPACE METALS, LLC**

365 Oser Avenue, Hauppauge, New York 11788  
631 243-2100 • 800 471-7890 • Fax 631 231-7446

e-mail: [sales@sigmaaero.com](mailto:sales@sigmaaero.com)

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AS9120 / ISO 9001 / 2000 REGISTER

# **ONE CALL FOR ALL**

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**Shearing**

**Saw Cut**

**Forgings**

**Grinding**

**A.O.G.'s**  
**J.I.T.'s**  
**PRODUCTION**  
**SHORTAGES**  
**OUR SPECIALITY**



# SEAMLESS STAINLESS TUBING WELDED

**Σ SIGMA AEROSPACE METALS, LLC**

**"EXPERTS IN QUALITY AND RELIABLE SERVICE"**

**AIRCRAFT QUALITY ALLOYS • COMMERCIAL ALLOYS • MILL DISTRIBUTORS**

## STOCK - AVAILABILITY

O.D. In. Inches	Wall Gauge	Wall Decimal	I.D. In. Inches	Weight per Ft. in Lbs.	O.D. In. Inches	Wall Gauge	Wall Decimal	I.D. In. Inches	Weight per Ft. in Lbs.	O.D. In. Inches	Wall Gauge	Wall Decimal	I.D. In. Inches	Weight per Ft. in Lbs.	O.D. In. Inches	Wall Gauge	I.D. Wall Decimal	Weight In. Inches	per Ft. in Lbs.	
1/8	22	.028	.069	.0290	5/8	13	.095	.310	.4109	1-1/4	20	.035	1.180	.4542	14	.083	1.834	1.699	1.699	
	20	.035	1.180	.0336		22	.028	.569	.1785	18	.049	1.152	.6285	11						.120
3/16	22	.020	.132	.0478	18	.049	.527	.3014	.388	14	.083	1.084	1.034	1.448	3/16	.188	1.624	3.638	3.638	
	20	.035	.118	.0572																16
1/4	22	.028	.194	.0664	11	.120	.601	.6472	.4805	11	.120	1.010	1.448	2-1/4	16	.065	2.120	1.517	1.517	
	20	.035	.180	.0804																14
	18	.049	.152	.1052	3/4	20	.035	.680	.2673	1-1/2	20	.035	1.430	.5476	2-1/2	18	.049	2.402	1.283	1.283
	16	.065	.120	.1284																
5/16	22	.028	.257	.0852	16	.065	.620	.4755	.7593	16	.065	1.370	.9962	14	.083	2.334	2.143	2.143	2.143	
	20	.035	.243	.1039																13
	18	.049	.215	.1382	11	.120	.510	.8074	.8074	11	.120	1.260	1.769	1/4	.250	2.000	6.008	6.008	6.008	
	16	.065	.183	.1722																7/8
3/8	22	.028	.319	.1038	18	.049	.777	.4323	.4323	1/4	.250	1.00	3.338	3	16	.065	2.870	20.37	20.37	
	20	.035	.305	.1271																16
	18	.049	.277	.1706	11	.120	.635	.9676	.9676	18	.049	1.652	.8902	.083	.083	2.834	2.586	2.586	2.586	
	16	.065	.245	.2152																1
	14	.083	.209	.2588	18	.049	.902	.4977	.4977	11	.120	1.510	2.089	11	.120	2.760	3.691	3.691	3.691	
7/16	20	.035	.368	.1506																16
	18	.049	.340	.2036	14	.083	.834	.8129	.8129	1-7/8	13	.095	1.685	1.806	1/4	.250	2.500	7.343	7.343	
	16	.065	.308	.2589																2
1/2	22	.028	.444	.1411	13	.095	.810	.9182	.9182	16	.065	1.870	1.343	1.343	.072	.072	1.856	1.483	1.483	
	20	.035	.430	.1738																11
	18	.049	.402	.2360	3/16	.188	.624	1.630	1.630	16	.065	1.870	1.343	1.343	.072	.072	1.856	1.483	1.483	
	16	.065	.370	.3020																1/4

**4" OD-10" OD Avail upon request**

Spec	Material	Class	Temper	Quality	Spec	Material	Class	Temper	Quality
5556	Type 347	S or W & D	Annealed	Hydraulic	5570	Type 321	Seamless	Annealed	Structural
5557	Type 321	S or W & D	Annealed	Hydraulic	5571	Type 347	Seamless	Annealed	Structural
5558	Type 347	W (Thin Wall)	Annealed	Ducting	5573	Type 316	Seamless	Annealed	Structural
5559	Type 321	W (Thin Wall)	Annealed	Ducting	5575	Type 347	Welded	Annealed	Structural
5560	Type 304	Seamless	Annealed	LP Hyd.	5576	Type 321	Welded	Annealed	Structural
5561	21-6-9	W & D	1/8-1/4 Hard	Hydraulic	5639	Type 304	CFS	Annealed	Mechanical
5562	21-6-9	W & D	Annealed	LP Hyd.	5648	Type 321	CFS	Annealed	Mechanical
5565	Type 304	Welded	Annealed	LP Hyd.	5647	Type 304L	CFS	Annealed	Mechanical
5566	Type 304	S or W & D	1/8 Hard	Hydraulic	5648	Type 316	CFS	Annealed	Mechanical
5567	Type 304	S or W & D	Annealed	Hydraulic					

## ASTM

## MILITARY

Spec	Material	Class	Temper	Quality	Spec	Material	Class	Temper	Quality
A-213	300 series	CDS or HFS	Annealed	Heat Xchngr.	T-6737	321/347	Welded	Annealed	Ducting
A-249	300 series	WCW or W & D	Annealed	Heat Xchngr.	T-6845	Type 304	S or W & D	1/8 Hard	Hydraulic
A-269	300 series	S, W, W & D	Annealed	Genl. Service	T-8504	Type 304	S or W	Annealed	Hydraulic
A-511	300 series	CFS or HFS	Annealed	Mechanical	T-8506	Type 304	S or W	Annealed	Structural
A-511	Type 416	CFS	Annealed	Mechanical	T-8606	304L/321/347	S or W	Annealed	Structural
A-554	300 series	Welded	Various	Mechanical	T-8808	321/347	S or W & D	Annealed	Hydraulic
A-632	300 series	S or W, CF	Annealed	Genl. Service	T-8973	304L/321/347	S or w & D	1/8 Hard	Hydraulic

**ALSO AVAILABLE IN: Titanium - Alloy Steel - Carbon Steel - Square - Flats - Pipe - Special Shapes**

**ONE CALL FOR ALL METALS - NON STANDARDS ARE OUR SPECIALTY**

**631-243-2100 • 800-471-7890 • FAX: 631-231-7446 • E-MAIL: SALES@SIGMAAERO.COM**



# ALUMINUM TUBING

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AIRCRAFT QUALITY ALLOYS • COMMERCIAL ALLOYS • MILL DISTRIBUTORS

O.D. INCHES	WALL INCHES	LBS. PER FOOT	O.D. INCHES	WALL INCHES	LBS. PER FOOT	O.D. INCHES	WALL INCHES	LBS. PER FOOT
3/16	.035	.020	1 1/2	.035	.190		.375	4.33
	.049	.025		.049	.263		.500	5.54
1/4	.035	.028		.058	.309	3 3/4	.750	7.62
	.049	.036		.065	.345		.250	3.23
5/16	.058	.041		.083	.435	4	.500	6.01
	.035	.036		.125	.635		.125	1.79
3/8	.049	.048	1 5/8	.250	1.16		.188	2.65
	.058	.055		.375	1.56		.250	3.47
7/16	.035	.044	1 3/4	.058	.336	.750	.375	5.02
	.049	.059		.250	1.27		.500	6.47
1/2	.058	.068		.375	1.73	4 1/4	9.01	
	.065	.075		.058	.363		1.00	11.09
9/16	.065	.089		.083	.511	4 1/2	.250	3.70
	.025	.042		.125	.752		.250	3.93
5/8	.028	.049	1 7/8	.375	1.91		.375	5.72
	.035	.060		.058	.390		.500	7.39
7/8	.049	.082	2	.049	.353		.750	10.40
	.058	.095		.058	.416		1.00	12.94
3/4	.065	.104		.065	.465	4 3/4	.500	7.85
	.042	.081		.083	.590		.125	2.25
5/8	.028	.062		.125	.866		.250	4.39
	.035	.076		.250	1.62		.500	8.32
3/4	.049	.104	2 1/4	.375	2.25	5 1/2	.750	11.78
	.058	.121		.500	2.77		1.0	14.78
3/4	.065	.134		.049	.399	6	.500	.924
	.028	.075		.065	.525		.750	13.17
7/8	.035	.093		.083	.665		1.0	16.65
	.049	.127		.125	1.00		.125	2.71
1	.058	.148	2 5/8	.250	1.85		.250	5.31
	.065	.165		.375	2.60		.375	7.80
1 1/8	.083	.205	2 1/2	.250	2.19		.500	10.16
	.125	.289		.065	.585		.750	14.55
1 1/4	.035	.109		.083	.741	6 1/2	1.0	18.48
	.049	.150		.125	1.10		.250	5.78
1 1/2	.058	.175		.250	2.08		.500	11.10
	.065	.195		.375	2.95		.750	15.94
1 3/8	.035	.125	2 3/4	.500	3.70	7	1.0	20.32
	.049	.172		.125	1.21		.250	6.23
1 3/4	.058	.202		.250	1.21		.500	12.00
	.065	.225		.250	2.31		.750	17.30
1 7/8	.083	.281	3	.500	4.16	7 1/2	1.0	20.33
	.125	.404		.065	.705		.500	12.94
1 5/8	.250	.693		.125	1.33	8	.250	7.16
	.035	.141		.188	1.95		.500	13.86
1 5/4	.049	.195		.250	2.54		.750	20.10
	.058	.229		.312	3.10		1.00	25.87
1 5/8	.188	.652		.500	4.62	10	.250	9.01
	.035	.157		.750	6.24		.500	17.56
1 5/8	.049	.218	3 1/4	.125	1.47		1.0	33.26
	.058	.256		.250	2.77		11	.500
1 5/8	.065	.285		.375	3.98		1.0	37.00
	.083	.358		.500	5.08		12	.250
1 5/8	.125	.520		.750	7.62		.375	16.11
	.250	.924		.035	.449		.500	21.65
1 5/8	.035	.173	3 1/2	.125	1.56		.750	31.20
	.058	.282		.250	3.00		1.00	40.66

## ALLOYS ALL TEMPER

1100  
2014  
2024  
3003  
5052  
5086  
6061  
6063  
7050  
7075

## SPECIFICATIONS FULLY CERTIFIED

"AMS" SPECS  
"QQ-A" SPECS  
"ASTM-B" SPECS  
"MIL" SPECS  
"WWT" SPECS

## ALSO AVAILABLE:

**SQUARE,  
RECTANGULAR,  
OR SPECIAL  
SHAPE TUBING.**



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# ROD STAINLESS BAR

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**AIRCRAFT QUALITY ALLOYS • COMMERCIAL ALLOYS • MILL DISTRIBUTORS**



## FLATS 12 FT. BAR

Size in Inches	Weight per Foot, lbs.	Weight per Bar lbs.	Size in Inches	Weight Foot, lbs.	Weight per Bar lbs.	Size in Inches	Weight per Foot, lbs.	Weight per Bar lbs.
3/16 x 3/4	0.478	5.74	5/8 x 1-1/4	2.656	31.87	2 x 2-1/4	15.360	184.30
3/16 x 1	0.638	7.66	5/8 x 1-1/2	3.188	38.26	2 x 2-1/2	17.000	204.00
3/16 x 1-1/4	0.797	9.56	5/8 x 1-3/4	3.719	44.63	2 x 2-3/4	18.720	224.60
3/16 x 1-1/2	0.956	11.47	5/8 x 2	4.250	51.00	2 x 3	20.400	244.80
3/16 x 1-3/4	1.116	13.39	5/8 x 2-1/2	5.313	63.76	2 x 3-1/2	23.800	285.60
3/16 x 2	1.275	15.30	5/8 x 3	6.375	76.50	2 x 4	27.200	326.00
3/16 x 2-1/4	1.440	17.28	5/8 x 3-1/2	7.438	89.26	2 x 4-1/2	30.600	367.00
3/16 x 2-1/2	1.594	19.13	5/8 x 4	8.500	102.00	2 x 5	34.000	408.00
3/16 x 3	1.913	22.96	5/8 x 5	10.630	127.60	2 x 6	40.800	489.60
1/4 x 1/2	0.425	5.10	5/8 x 6	12.750	153.00			
1/4 x 3/4	0.628	7.66	5/8 x 8	17.000	204.00			
1/4 x 1	0.850	10.20	3/4 x 1	2.550	30.60			
1/4 x 1-1/4	1.063	12.76	3/4 x 1-1/4	3.188	38.26			
1/4 x 1-1/2	1.275	15.30	3/4 x 1-1/2	3.825	45.90			
1/4 x 1-3/4	1.488	17.86	3/4 x 1-3/4	4.463	53.56			
1/4 x 2	1.700	20.40	3/4 x 2	5.100	61.20			
1/4 x 2-1/2	2.125	25.50	3/4 x 2-1/2	6.375	76.60			
1/4 x 3	2.550	30.60	3/4 x 3	7.650	91.80			
1/4 x 3-1/2	2.975	35.70	3/4 x 3-1/2	8.925	107.00			
1/4 x 4	3.400	40.80	3/4 x 4	10.200	122.40			
5/16 x 3/4	0.797	9.56	3/4 x 5	12.750	153.00			
5/16 x 1	1.063	12.76	3/4 x 6	15.300	186.30			
5/16 x 1-1/2	1.594	19.13	3/4 x 8	20.400	244.80			
5/16 x 2	2.125	25.50	1 x 1-1/4	4.250	51.00			
3/8 x 1/2	0.638	7.66	1 x 1-1/2	5.100	61.20			
3/8 x 3/4	0.956	11.47	1 x 1-3/4	5.950	71.40			
3/8 x 1	1.275	15.30	1 x 2	6.800	81.60			
3/8 x 1-1/4	1.594	19.13	1 x 2-1/4	7.650	92.33			
3/8 x 1-1/2	1.913	22.96	1 x 2-1/2	8.500	102.00			
3/8 x 1-3/4	2.231	26.77	1 x 3	10.200	122.40			
3/8 x 2	2.550	30.60	1 x 3-1/2	11.900	142.80			
3/8 x 2-1/2	3.188	38.26	1 x 4	13.600	163.20			
3/8 x 3	3.825	45.90	1 x 4-1/2	15.300	183.60			
3/8 x 3-1/2	4.463	53.56	1 x 5	17.000	204.00			
3/8 x 4	5.100	61.20	1 x 6	20.400	244.80			
3/8 x 5	6.375	76.50	1 x 8	27.200	326.40			
3/8 x 6	7.650	91.80	1-1/4 x 1-1/2	6.375	76.50			
1/2 x 3/4	1.275	15.30	1-1/4 x 1-3/4	7.438	89.26			
1/2 x 1	1.700	20.40	1-1/4 x 2	8.500	102.00			
1/2 x 1-1/4	2.125	25.50	1-1/4 x 2-1/4	9.563	114.80			
1/2 x 1-1/2	2.550	30.60	1-1/4 x 2-1/2	10.630	127.60			
1/2 x 1-3/4	2.975	35.70	1-1/4 x 3	12.750	153.00			
1/2 x 2	3.400	40.80	1-1/4 x 3-1/2	14.880	178.60			
1/2 x 2-1/2	4.250	51.00	1-1/4 x 4	17.000	204.00			
1/2 x 3	5.100	61.20	1-1/2 x 2	10.200	122.40			
1/2 x 3-1/2	5.950	71.40	1-1/2 x 2-1/4	11.480	137.80			
1/2 x 4	6.800	81.60	1-1/2 x 2-1/2	12.750	153.00			
1/2 x 5	8.500	102.00	1-1/2 x 2-3/4	14.040	168.48			
1/2 x 6	10.200	122.40	1-1/2 x 3	15.300	183.60			
1/2 x 8	13.600	163.20	1-1/2 x 3-1/2	17.850	214.20			
5/8 x 3/4	1.594	19.13	1-1/2 x 4	20.400	244.80			

**Pounds/Ft = 3.4032 x T x W**

### TYPE

302-303	316 L	430
303 SE	317	15-5 PH
304	321	17-4 PH
304L	347	17-7 PH
310	410	19-9 DL
316	416	21-6-9 PH13-8 MO

Full certification and traceability of ALL metals back to the basic source is documented and provided upon request.

We provide the maximum possible degree of reliability and quality assurance to our customers.









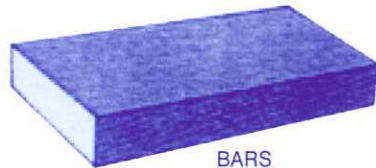
# FORGINGS

**Σ SIGMA AEROSPACE METALS, LLC**

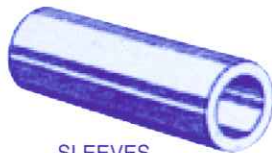
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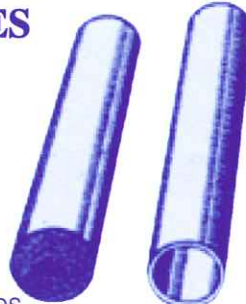
## FORGINGS CAPABILITIES



BARS



SLEEVES



ROUNDS

CYLINDERS



DISCS

FORGED  
SOLID  
HOLLOW  
BORED



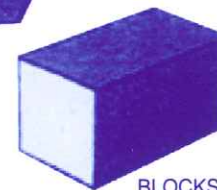
HEX BAR



RINGS



CUSTOM SHAPES  
(Closed Die or Offset)



BLOCKS

### ALUMINUM

2014, 2024, 2124, 2219, 6061,  
7050, 7075, 7175, 7178, 7475

### TITANIUM

6AL-4V, 5AL-2.5SN, 8.1.1, 6.2-4.2, Commercially Pure (C.P.)

### STAINLESS STEELS

303 - 304 - 310 - 316 - 321 - 347 - 410 - 420 - 416  
- 440 - C - 507 - 17-4 PH - 15-5PH - 13-8 MO

### HIGH TEMPERATURE METALS

AM-355, L-605, Waspaloy, Rene-41, Greek Ascology,  
Hastalloy "C", Hastalloy "X", A-286, D6AC, Monel, INCO-600,  
INCO-718, INCO-X750, INCO-901, INCO "W"

### ALLOY STEELS

1117 - 1141 - 2317 - 2512 - 3310 - 4130 - 4130 aircraft  
quality - 4140 - 4145 - 4150 - 4150 resulpherized - 4150  
lead - 4340 - 4340 aircraft quality - 4340 consumable electrode  
- 4615 - 4620 - 6150 - 8620 - 8640 - 52100 bearing quality  
- Nitralloy 135 modified - ASTM - 182 F-5, F-11 AND F-22

### TOOL STEELS

A2 - D2 - 01 - H - 13

### COPPER - BRONZE

### OTHER METALS AVAILABLE

BRASS

COPPER

MU METAL

PHOSPHOR BRONZE

ALUMINUM BRONZE

EVERDUR

ALMAR 362

U-500

CUSTOM 455

NITRALLOY

D6AC

TPA

NICKEL SILVER

MAGNESIUM

GREEK ASCOLOY

LAPELLOY

DISCALOY

21-6-9

H11

M50

PRESSURE VESSEL

ASTRALLOY

BERYLLIUM

BERYLLIUM COPPER

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# ROD ALLOY STEEL BAR





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<b>ALLOYS AVAILABLE</b>	
<b>4130</b> MIL-S-6758, AMS-6370, AMS-2301, AMS-6348, AMS-2304, ASTM-A-331, ASTM-A-332	<b>6050 VAC. MELT.</b> MIL-S-8503, AMS-6448, AMS-2300
	<b>8740</b> AMS-6322, MIL-S-6049, EXC.SONIC, AMS-2301, AMS-2304, ASTM-A-331
<b>4140</b> MIL-S-5626, AMS-6382, AMS-6349, EXC. COND., AMS-2301, AMS-2304 ASTM-A-331, ASTM-A-322	<b>9310 N&amp;T</b> MIL-S-7393 COMP 3, AMS-6260, AMS-2301, AMS-2304, ASTM-A-322 <b>VAC. MELT.</b> AMS-6265
	<b>52100 ANN</b> MIL-S-7420, AMS-6440, AMS-2301, AMS-2304, ASTM-A-322  <b>VAC. MELT.</b> AMS-6444, AMS-2300
<b>4330 MOD, N&amp;T</b> MIL-S-8699, AMS-6411, AMS-6427, <b>VAC. MELT.</b> AMS-2300	<b>D6AC VAC.MELT.</b> MIL-S-8949, AMS-6431, AMS-2300
<b>4340 N&amp;T</b> MIL-S-5000, AMS-6415, AMS-6484, AMS-6409 EXC. SULF, AMS-2301, AMS-2304, AMS-2310, ASTM-A-331 ASTM-A-322	<b>H-11 VAC. MELT.</b> AMS-6485, AMS-6487, AMS-6488
	<b>HY-TUF N&amp;T</b> MIL-S-7108, AMS-6418, AMS-2301 AMS-2304, ASTM-A-322  <b>VAC. MELT.</b> AMS-6425, AMS-2300
<b>4340 VAC. MELT. N&amp;T</b> MIL-S-8844 CL 1, MIL-S-5000, AMS-6414, AMS-6415, AMS-2300	<b>NITRIDING (BHN 241-285)</b> MIL-S-6709 COMP A 135 MODIFIED, AMS-6470 EXC. HARDNESS, AMS-6472, AMS-2301, AMS-2304, ASTM-A-322  <b>VAC. MELT.</b> MIL-S-8503, AMS-6448, AMS-2300
<b>4340 VAC. MELT. N&amp;T "300M"</b> MIL-S-8844 CL 3, MIL-S-83135, AMS-6417, AMS-6419, AMS-6457 EXC. HARDNESS AMS-2300	
<b>4620</b> MIL-S-7493, AMS-6294, AMS-2301, AMS-2304, ASTM-A-322,  <b>VAC. MELT</b> AMS-6294, AMS-2300	<b>9-4-30 VAC. MELT.</b> AMS-6526 EXC.HARDNESS

**AVAILABLE IN:**

- ROUNDS -** 
- SQUARES -** 
- HEXES -** 
- FLATS -** 

-  Pounds/Ft. = 2.6729 x D<sup>2</sup>
-  Pounds/Ft. = 3.4032 x S<sup>2</sup>
-  Pounds/Ft. = 2.9473 x S<sup>2</sup>
-  Pounds/Ft. = 3.4032 x T x W

**ALSO AVAILABLE IN:  
FORGINGS, WIRE  
AND TUBE FORM**



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# SHEET ALLOY 4130 STEEL PLATE

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SHEET			PLATE		
Gauge	Size Inches	Lbs Per Sq. Ft.	(in inches) Thickness	Approx. Width	lbs./sq. ft.
.012	18" / 36" x 72"	.504	3/16	48-60	8.579
.016	18" / 36" x 72"	.672	1/4	48-60-72	11.162
.020	18" / 36" x 72"	.840	5/16	48-60	13.750
.025	18" / 36" x 72"	1.050	3/8	48-60-72	16.500
.032	18" / 36" x 72"	1.344	1/2	48-60-72	21.663
.040	18" / 36" x 72"	1.680	5/8	48-72-96	26.830
.050	18" / 36" x 72"	2.10	3/4	48-72-96	32.123
.063	18" / 36" x 72"	2.646	7/8	72-96	37.291
.071	18" / 36" x 72"	2.923	1	72-96-120	42.670
.080	18" / 36" x 72"	3.360	1 1/4	72-96	53.000
.090	18" / 36" x 72"	3.780	1 1/2	72-96	63.340
.125	18" / 36" x 72"	5.250	1 3/4	72-96	73.672
.160	18" / 36" x 72"	6.720	2	72-96	84.010
.190	18" / 36" x 72"	7.934	2 1/4	48	94.780
			2 1/2	72-96	105.113
			3	72-96	126.301
			3 1/2	60-96	149.327
			4	60	168.264

NORMALIZED - AMS6345  
ANNEALED - AMS6350

ALSO AVAILABLE IN:  
STRIP/COIL FORM

**SPECIFICATIONS  
FULLY CERTIFIED**

"AMS" SPECS

"ASTM" SPECS

"MIL" SPECS

ALSO AVAILABLE  
4340-4140-8620  
6150-8740



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# SHEET STAINLESS PLATE

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## SHEET

Gauge	Size Inches	Lbs Per Sq. Ft.	Weight Per Sht.
.012	36 x 120	.504	16
.016	36 x 120	.672	21
.018	36 x 120	.752	23
.025	36 x 96	1.030	26
.025	36 x 120	1.050	32
.029	48 x 120	1.211	49
.032	36 x 120	1.344	41
.032	48 x 120	1.344	54
.033/0355	36 x 120	1.420	43
.040	36 x 96	1.680	41
.040	36 x 120	1.680	51
.040	48 x 120	1.680	68
.045	36 x 120	1.89	57
.050	36 x 120	2.10	63
.050	48 x 120	2.10	84
.059	36 x 120	2.463	74
.063	36 x 96	2.646	64
.063	36 x 120	2.646	80
.063	48 x 120	2.646	106
.070	36 x 120	2.923	88
.075	36 x 120	3.132	94
.080	36 x 120	3.360	101
.090	36 x 120	3.780	114
.125	36 x 120	5.250	158
.125	48 x 120	5.250	210
.160	36 x 96	6.720	161
.160	36 x 120	6.720	202
.190	36 x 120	7.934	238

## PLATE

(in inches) Thickness	Approx. Width	lbs./sq. ft.
3/16	48-60	8.579
1/4	48-60-72	11.162
5/16	48-60	13.750
3/8	48-60-72	16.500
1/2	48-60-72	21.663
5/8	48-72-96	26.830
3/4	48-72-96	32.123
7/8	72-96	37.291
1	72-96-120	42.670
1 1/4	72-96	53.000
1 1/2	72-96	63.340
1 3/4	72	73.672
2	72-96	84.010
2 1/4	48	94.780
2 1/2	72-96	105.113
3	72-96	126.301
3 1/2	60-96	149.327
4	60	168.264

## ALLOYS

301  
301-1/4HD  
301-1/2HD  
301FH  
302/303/304L  
316/316L  
317/317L  
321/347  
409/410/430  
17-4PH  
17-7PH  
15-5PH  
15-7MO

## SPECIFICATIONS FULLY CERTIFIED

"AMS" SPECS  
"QQ-S" SPECS  
"MIL" SPECS

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# SHEET ALUMINUM PLATE

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## BARE SHEET ALCLAD

Gauge	Size Inches	Lbs Per Sq. Ft.	Weight Per Sht.
.008	48 x 144	.12	5.76
.010	48 x 144	.14	7
.012	48 x 144	.17	8
.016	48 x 144	.23	11
.020	48 x 144	.29	14
	60 x 180	.29	22
.025	48 x 144	.36	17
	60 x 180	.36	27
.032	48 x 144	.46	22
	60 x 180	.46	35
.040	48 x 144	.58	28
	60 x 180	.58	44
.050	48 x 144	.72	35
	60 x 180	.72	54
.063	48 x 144	.92	44
	60 x 180	.92	68
.071	48 x 144	1.04	50
.080	48 x 144	1.17	56
.090	48 x 144	1.31	63
.100	48 x 144	1.46	70
.125	48 x 144	1.81	87
.160	48 x 144	2.31	111
.190	48 x 144	2.73	131

## ALUMINUM PLATE

(in inches) Thickness	Approx. Width	lbs./sq. ft.
1/4	48-60-72	3.63
5/16	48-60	4.54
3/8	48-60-72	5.64
1/2	48-60-72	7.29
5/8	48-72	9.08
3/4	48-72	10.92
7/8	48	12.73
1	36-48	14.54
1 1/4	48-72	18.17
1 1/2	48-72	21.83
1 3/4	48-72	25.46
2	48-72	29.08
2 1/4	48	32.73
2 1/2	48-72	36.38
2 3/4	48	40.0
3	48-72	43.63
3 1/2	48-60	50.90
4	48-60	58.17

## ALLOYS ALL TEMPER

AIRCRAFT COMMERCIAL

2014	1100
2024	3003
2124	5005
2219	5052
6061	5083
7050	5086
7075	5154
7175	5454
7178	5456
7475	

## SPECIFICATIONS FULLY CERTIFIED

"AMS" SPECS

"QQ-A" SPECS

"ASTM-B" SPECS

"SAE" SPECS

"MIL" SPECS

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SHEET, PLATE & COIL		TITANIUM MATERIAL CROSS REFERENCE			
<b>GRADE</b>	<b>SPECIFICATIONS</b>	AMS	MILT9046J	MILT9046J	ASTMB265
6AL-4V, 6AL-4V ELI	AMS-4911, 4907,4905, MIL-T-9046, ASTM-F13			CP-4	GRADE 1
	DMS-1592, GM-3103, ASTM-B265	4902	TYPE 1 COMP A	CP-3	GRADE 2
6AL-2SN-4ZR-2MO	AMS-4919, MIL-T-9046, DMS-2275	4900	TYPE 1 COMP C	CP-2	GRADE 3
	GM-3104, B50TF21	4901	TYPE I COMP B	CP-1	GRADE 4
6AL-6V-2SN	AMS-4918, MIL-T-9046, DMS-1879	4910	TYPE II COMP A	A-1 (5AL-2.5SN)	GRADE 6
5AL-2.5SN, 5-2.5 ELI	AMS-4909, 4910, MIL-T-9046	4926			
8AL-IV-IMO	AMS-4915, 4916, DMS-1784	4909	TYPE II COMP B	A-2 (5AL-2.5SN ELI)	
CP-GRADES 1, 2, 3 & 4	AMS-4900, 4901,4902	4924			
	MIL-T-9046, DMS-1536, ATSM-B265	4972	TYPE II COMP F	A-4 (8AL-IMO-IV)	
15V-3CR-3AL-3SN	AMS-4914		TYPE II COMP G	A-3 (6AL-2CB-ITA-.8MO)	
<b>ROD, BAR &amp; FORGINGS</b>		4908	TYPE III COMP A	AB-6(8MN)	
<b>GRADE</b>	<b>SPECIFICATIONS</b>	4911	TYPE III COMP C	AB-1(6AL-4V)	GRADE 5
6AL-4V, 6AL-4V-ELI	AMS-4928, 4930, 4965, 4967, MIL-T-9047, ASTM	4928			
6AL-2SN-4ZR-2MO	AMS-4975, MIL-T-9047	4907	TYPE III COMP D	AB-2(6AL-4V-ELI)	
6AL-6V-2SN	AMS-4978, MIL-T-9047	4930			
5AL-2.5SN	AMS-4926, 4966, MIL-T-9047, B50TF22	4918	TYPE III COMP E	AB-3(6AL-6V-2SN)	
8AL-1V-1MO	AMS-4972, 4973, MIL-T-9047	4978			
CP-GRADES 1, 2, 3, 4, & 7	AMS-4921, MIL-T-9047, ASTM-B348, ASTM-F6	4979			
<b>TUBING</b>		4919	TYPE III COMP G	AB-4(6AL-2SN-4ZR-2MO)	
<b>GRADE</b>	<b>SPECIFICATIONS</b>	4975			
CP-GRADES 2, 3, 4	AMS-4941, 4942, BMS7-21, DMS-1872, 1874	4943		AB-5(3AL-2.5SN)	
3AL-2.5V	AMS-4943, 4944, DMS-2241, B50TF35, PWA-1	4944			
<b>EXTRUSIONS</b>		4945			
<b>GRADE</b>	<b>SPECIFICATIONS</b>	4959	TYPE IV COMP A	B-1(13V-11CR-3AL)	
6AL-4V	AMS-4934, 4935, MIL-T-81556		TYPE IV COMP B	B-2(11.5MO-6ZR-4.5SN)	GRADE 10
6AL-6V-2SN	AMS-4937, MIL-T-81556		TYPE IV COMP C	B-3(3AL-8V-6CR-4MO-4ZR)	
8AL-1V-1MO	AMS-4933		TYPE IV COMP D	B-4(8MO-8V-2FE-3AL)	
				UNALLOYED TITANIUM PLUS PALLADIUM	GRADE 7/11
				TITANIUM ALLOY .3 MO-.8NT	GRADE 12



# HIGH TEMPERATURE

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Grade or Name	UNS Cross Ref.	AMS Sht/Pit Spec.	AMS Rod/Bar Spec.	ASTM Spec.	Cust./Milt. Spec.
A286	S66286	AMS 5525	AMS 5731 AMS 5732 AMS 5734 AMS 5735 AMS 5735 AMS 5737	ASTMA 453 ASTMA 638	B50T1181 B50T12 B50T81 B0T81 M3702
ALLOY 42 ALLOY 49 4750 AM 350 AM 355	K94100  S35000 S35500	AMS 5548 AMS 5547	AMS 7718  AMS 5745 AMS 5743 AMS 5744	ASTMF 30	MIL123011 MILN14411  M3703 M3710 B50T1147 DMS1893 M3603
CUSTOM455 D979 HIGH EXPANSION HAST B HAST B2 HAST C HAST C-276	S45500 N09979 K91456 N10001 N106565 N06455 N10276	AMS 5860 AMS 5509 AMS 5625	AMS 5617 AMS 5746 AMS 5624	ASTMB 335 ASTMB 335 ASTMB 575 ASTMB 575 ASTMB 574 ASTMB 436 ASTMB 336 ASTMB 581 ASTMB 582 ASTMB 435 ASTMB 572	B50T38
HAST F	N06001				
HAST G	N06007				
HAST X	N06002	AMS 5536	AMS 5754		B50T24 B50T25 PWA 1038 PWA 1042 B50TF74 MILS 21952 MILN 14411
HAYNES 188	R03188	AMS 5608	AMS 5772		
HY 80 HY MU 80 PERMALLOY 80 HIPERNOM ALLOY 600	K31820  N06600	AMS 5540	AMS 5665	ASTMB 166 ASTMB 168 ASTMB 446 ASTMB 443	MIL N 6710 MIL N 6840
ALLOY 625	N06625	AMS 5599	AMS 5666		
ALLOY 702 ALLOY 706	N07702 N09706	AMS 5606 AMS 5605 AMS 5596 AMS 5597	AMS 5550 AMS 5701		B50TF104
ALLOY 718	N07718		AMS 5562 AMS 5564 AMS 5663 AMS 5714 AMS 5667 AMS 5668 AMS 5669 AMS 5670	ASTMB 637	B50TF15 B50TF14 B50TF69 B50T73 MILN 8550 B50T1232
ALLOY 722 ALLOY X 750	N07722 N07750	AMS 5542 AMS 5598		ASTMB 637	
ALLOY 901	N09901		AMS 5671 AMS 5660 AMS 5661		
ALLOY 903					B50TF153 B50TF151
INVAR 35	K93602				MIL1 23011 MILS 16598
KOVAR L 605 M252 MARAG 300	K94610 R30605 N07252 K93120	AMS 7728 AMS 5537 AMS 5551	AMS 7727 AMS 5759 AMS 5756 AMS 6514	ASTMF 15	MIL1 23011 B50T26 C50T54 MILS 46850

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# ROD ALUMINUM BAR

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## ● ALUMINUM ROUND ROD

Dimensions Inches	Lbs. Per Foot	Lbs. Per 12' Length	Dimensions Inches	Lbs. Per Foot	Lbs. Per 12' Length
1/8	.015	.18	2 - 1/16	4.011	48.13
5/32	.023	.27	2 - 1/8	4.256	51.07
3/16	.033	.40	2 - 3/16	4.512	54.14
1/4	.059	.71	2 - 1/4	4.772	57.26
9/32	.075	.89	2 - 3/8	5.317	63.80
5/16	.092	1.11	2 - 7/16	5.602	67.23
3/8	.133	1.59	2 - 1/2	5.891	70.69
7/16	.181	2.17	2 - 9/16	6.180	74.16
1/2	.236	2.83	2 - 5/8	6.495	77.94
9/16	.299	3.59	2 - 3/4	7.128	85.54
5/8	.369	4.42	2 - 7/8	7.790	93.49
11/16	.446	5.35	3	8.482	101.79
3/4	.531	6.37	3 - 1/16	8.837	106.04
13/16	.623	7.48	3 - 1/8	9.024	110.45
7/8	.722	8.66	3 - 1/4	9.955	119.46
15/16	.829	9.95	3 - 3/8	10.736	128.83
1	.943	11.31	3 - 1/2	11.545	138.54
1 - 1/16	1.065	12.78	3 - 3/4	13.254	159.05
1 - 3/32	1.126	13.52	4	15.080	180.96
1 - 1/8	1.193	14.32	4 - 1/4	17.024	204.29
1 - 3/16	1.330	15.96	4 - 1/2	19.085	229.02
1 - 1/4	1.473	17.68	4 - 3/4	21.265	255.18
1 - 5/16	1.625	19.50	5	23.562	282.74
1 - 3/8	1.782	21.39	5 - 1/4	25.978	311.73
1 - 7/16	1.949	23.39	5 - 1/2	28.510	342.12
1 - 1/2	2.121	25.45	5 - 3/4	31.162	373.94
1 - 9/16	2.303	27.63	6	33.929	407.15
1 - 5/8	2.489	29.87	6 - 1/2	39.820	477.84
1 - 11/16	2.685	32.22	7	46.182	554.18
1 - 3/4	2.887	34.61	8	60.319	723.82
1 - 13/16	3.098	37.17	10	94.248	1130.98
1 - 7/8	3.314	39.17			
2	3.770	45.24			
2 - 1/64	3.830	45.96			

## ■ ALUMINUM SQUARE BAR

Dimensions Inches	Lbs. Per Foot	Lbs. Per 12' Length	Dimensions Inches	Lbs. Per Foot	Lbs. Per 12' Length
3/16 x 3/16	.042	.50	1-1/2 x 1-1/2	2.700	32.40
1/4 x 1/4	.076	.91	1-5/8 x 1-5/8	3.169	38.03
5/16 x 5/16	.116	1.41	1-3/4 x 1-3/4	3.676	44.11
3/8 x 3/8	.169	2.03	2 x 2	4.800	57.60
7/16 x 7/16	.230	2.76	2-1/4 x 2-1/4	6.076	72.91
1/2 x 1/2	.300	3.60	2-1/2 x 2-1/2	7.500	90.00
9/16 x 9/16	.379	4.55	2-3/4 x 2-3/4	9.076	108.91
5/8 x 5/8	.469	5.63	3 x 3	10.800	129.60
3/4 x 3/4	.676	8.11	3-1/4 x 3-1/4	12.676	152.11
7/8 x 7/8	.919	11.03	3-1/2 x 3-1/2	14.700	176.40
1 x 1	1.200	14.40	4 x 4	19.200	230.40
1-1/8 x 1-1/8	1.519	18.23	4-1/2 x 4-1/2	24.300	291.60
1-1/4 x 1-1/4	1.876	22.51	5 x 5	30.000	360.00
1-3/8 x 1-3/8	2.269	27.23	6 x 6	43.200	518.40

### ALLOYS ALL TEMPERS

1100 5086  
2011 6061  
2014 6063  
2017 7050  
2024 7075  
2124 7175  
2219 7178  
5052 7475

### SPECIFICATIONS FULLY CERTIFIED

"AMS" SPECS

"QQ-A" SPECS

"ASTM-B" SPECS

"SAE" SPECS

"MIL" SPECS

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available upon  
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# ROD ALUMINUM BAR

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<b>RECTANGULAR ALUMINUM BAR (COLD DRAWN OR EXTRUDED)</b>					
Dimensions Inches	Lbs. Per Foot	Dimensions Inches	Lbs. Per Foot	Dimensions Inches	Lbs. Per Foot
1/8 x 1/2	.076	x 1-1/4	.563	x 4	3.600
x 5/8	.094	x 1-1/2	.676	x 6	5.400
x 3/4	.133	x 1-3/4	.787	1 x 1-1/4	1.500
x 1	.150	x 2	.900	x 1-1/2	1.800
x 1-1/4	.187	x 2-1/2	1.126	x 1-3/4	2.100
x 1-1/2	.226	x 3	1.350	x 2	2.400
x 2	.300	x 4	1.800	x 2-1/2	3.00
3/16 x 1/2	.113	x 5	2.700	x 3	3.600
x 5/8	.142	1/2 x 5/8	.376	x 3-1/2	4.200
x 3/4	.169	x 3/4	.450	x 4	4.800
x 1	.266	x 7/8	.526	x 6	7.200
x 1-1/4	.282	x 1	.600	1-1/4 x 1-1/2	2.250
x 1-1/2	.338	x 1-1/4	.750	x 2	3.00
x 2	.451	x 1-1/2	.900	x 2-1/2	3.750
1/4 x 1/2	.150	x 1-3/4	1.050	x 3	4.500
x 5/8	.187	x 2	1.200	1-1/2 x 2	3.600
x 3/4	.226	x 2-1/2	1.500	x 2-1/2	4.500
x 7/8	.263	x 3	1.800	x 3	5.400
x 1	.300	x 4	2.400	x 4	7.200
x 1-1/4	.376	x 6	3.600	x 6	10.800
x 1-1/2	.450	x 8	4.800	2 x 2-1/4	5.400
x 2	.600	5/8 x 3/4	.563	x 2-1/2	6.00
x 3	.900	x 7/8	.656	x 3	7.200
x 4	1.200	x 1	.750	x 4	9.600
x 6	1.800	x 1-1/4	.937	x 6	14.400
5/16 x 1/2	.187	x 1-1/2	1.126	2-1/4 x 4	10.800
x 5/8	.234	x 1-5/8	1.219	2-1/2 x 4	12.00
x 3/4	.281	x 2	1.500	x 4-1/2	13.50
x 7/8	.328	3/4 x 1	.900	x 5	15.000
x 1	.374	x 1-1/4	1.126	x 6	18.00
x 1-1/2	.562	x 1-1/2	1.350	3 x 4	14.400
x 2	.749	x 1-3/4	1.576	x 5	18.00
3/8 x 1/2	.226	x 2	1.800	x 6	21.60
x 5/8	.281	x 2-1/2	2.250		
x 3/4	.337	x 3	2.700		
x 1	.450	x 3-1/2	3.150		

<b>HEXAGONAL ALUMINUM BAR (COLD DRAWN OR EXTRUDED)</b>					
Dimensions Inches	Lbs. Per Foot	Dimensions Inches	Lbs. Per Foot	Dimensions Inches	Lbs. Per Foot
3/16	.037	13/16	.685	1-11/16	2.962
1/4	.065	7/8	.796	1-3/4	3.185
5/16	.102	15/16	.915	1-15/16	3.905
3/8	.147	1	1.040	2	4.159
7/16	.201	1-1/8	1.316	2-1/8	4.655
1/2	.261	1-1/4	1.625	2-1/4	5.264
9/16	.329	1-3/8	1.966	2-3/4	7.863
5/8	.407	1-1/2	2.339		
11/16	.492	1-9/16	2.537		
3/4	.585	1-5/8	2.746		

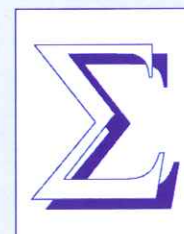
## ALLOYS ALL TEMPER

1100	5086
2011	6061
2014	6063
2017	7050
2024	7075
2124	7175
2219	7178
5052	7475

## SPECIFICATIONS FULLY CERTIFIED

- "AMS" SPECS
- "QQ-A" SPECS
- "ASTM-B" SPECS
- "SAE" SPECS
- "MIL" SPECS

Larger sizes  
available upon  
special request





# EXPORT SERVICES/QUALITY CONTROL

## SIGMA AEROSPACE METALS, ONE OF THE LARGEST AEROSPACE SERVICE CENTERS, SERVING DOMESTIC, EUROPEAN AND PACIFIC RIM MARKETS

- A.O.G. - Quick Response
- Prompt Quotation Response via fax or e-mail
- Extensive Inventories & In House Processing
- Export Packaging
- Metric Conversions
- Specification Cross Referencing
- Complete Document Control
- Close Proximity to Metro New York
- Delivery by Sigma Aerospace Metals, Trucks to NY and NJ Airports and Piers

### EXPERTS AT LOCATING HARD TO FIND METAL

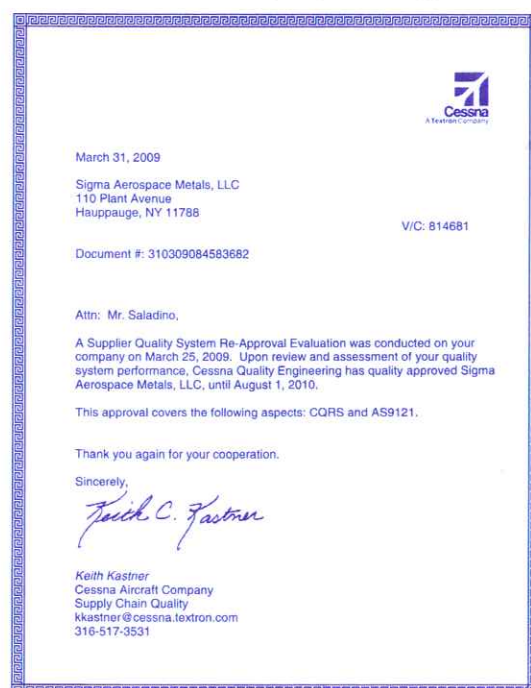
- Inconel
- Magnesium
- Magnetic Alloys
- Pressure Vessel
- Mu Metal
- Tungsten
- Tantalum
- Molybdenum
- Zirconium
- Titanium

## QUALITY CONTROL AS9120 • ISO9001:2000 REGISTERED

### AWARDS



### APPROVALS





# REFERENCE DATA

**Σ SIGMA AEROSPACE METALS, LLC**

**"EXPERTS IN QUALITY AND RELIABLE SERVICE"**

**AIRCRAFT QUALITY ALLOYS • COMMERCIAL ALLOYS • MILL DISTRIBUTORS**

## WIRE GAUGE CONVERSION TABLE

W & M Wire Gauge	Wire Diameter		W & M Wire Gauge	Wire Diameter	
	In.	mm		In.	mm
0	.3065	7.7851	20	.0348	.8839
1	.2830	7.182	21	.0317	.8052
2	.2625	6.6675	22	.0286	.7264
3	.2437	6.1900	23	.0258	.6553
4	.2253	5.7226	24	.0230	.5842
5	.2070	5.2578	25	.0204	.5182
6	.1920	4.8768	26	.0181	.4597
7	.1770	4.4958	27	.0173	.4394
8	.1620	4.1148	28	.0162	.4115
9	.1483	3.7668	29	.0150	.3910
10	.1350	3.4290	30	.0140	.3556
11	.1205	3.0607	31	.0132	.3353
12	.1055	2.6797	32	.0128	.3251
13	.0915	2.3241	33	.0118	.2997
14	.0800	2.0320	34	.0104	.2642
15	.0720	1.8288	35	.0095	.2413
16	.0625	1.5875	36	.0090	.2286
17	.0540	1.316	37	.0085	.2159
18	.0475	1.2065	38	.0080	.2032
19	.0410	1.0414	39	.0075	.1905
			40	.0070	.1778

## WEIGHT CONVERSION TABLE

To find the Weight of the Metals below	Multiply the Weight of Plain Steel by
Aluminum	0.3357
ARMCO 18-2 MN	0.9929
Brass (70-30)	1.0883
Brass (80-20)	1.1060
Bronze, Commercial (90-10)	1.1237
Bronze, Phosphor (95-5)	1.1307
CARPENTER No. 20 Cb-3	1.0318
CHROMAX	1.0148
Copper, Pure	1.1413
EVERDUR 655	1.0883
Gold (24 Kt.)	2.4664
HASTELLOY Alloy B	1.1802
HASTELLOY Alloy C-276	1.1343
INCOLOY Alloy 800	1.0141
INCOLOY Alloy 825	1.0389
Inconel Alloy 600	1.0742
INCONEL Alloy 601	1.0283
Iron, Wrought	0.9929
Molybdenum	1.3074
MONEL Alloy 400	1.1343
Nickel 200	1.1343
NICHROME	1.0530
NICHROME V	1.0707
Nickel, Pure	1.1343
Platinum	2.7385
Silver, Fine	1.3392
Stainless Steel (18-8)	1.0247
Tantalum	2.1201
Titanium	0.5795
TOPHET M	1.0353
TOPHET 30	1.0353
Tungsten	2.4735

## COMMON METRIC EQUIVALENTS

	Approximate Equivalents	Accurate Conversions
1 inch	= 25 millimeters	25.4 millimeters
1 foot	= 0.3 meter	0.3048 meter
1 yard	= 0.9 meter	0.9144 meter
1 mile	= 1.6 kilometers	1.609 34 kilometers
1 square inch	= 6.5 sq. centimeters	6.4516 sq. centimeters
1 square foot	= 0.09 square meter	0.092 903 sq. meters
1 square yard	= 0.8 square meter	0.836 127 sq. meter
1 acre	= 0.4 hectare	0.404,686 hectares
1 cubic inch	= 16 cu. centimeters	16.3871 cu. centimeters
1 cubic foot	= 0.03 cubic meter	0.028 316 cu. meters
1 cubic yard	= 0.8 cubic meter	0.764 555 cu. meters
1 quart (lq.)	= 1 liter	0.946 353 liters
1 gallon	= 0.004 cubic meter	0.003 785 41 cu. meters
1 ounce (avdp.)	= 28 grams	28.349 grams
1 pound (avdp.)	= 0.45 kilograms	0.453 592 kilograms
1 horsepower	= 0.75 kilowatt	0.745 700 kilowatts
1 millimeter	= 0.04 inch	0.039 370 1 inches
1 meter	= 3.3 feet	3.280 84 feet
1 meter	= 1.1 yards	1.093 61 yards
1 kilometer	= 0.6 mile	0.621 371 miles
1 sq. centimeter	= 0.16 square inch	0.155 sq. inches
1 sq. meter	= 11 square feet	10.7639 sq. feet
1 sq. meter	= 1.2 square yards	1.195 99 sq. yards
1 hectare	= 2.5 acres	2.471 05 acres
1 cu. centimeter	= 0.06 cubic inch	0.061 023 cu. inches
1 cubic meter	= 35 cubic feet	35.3147 cu. feet
1 cubic meter	= 1.3 cubic yards	1.307 95 cu. yards
1 liter	= 1 quart (lq.)	1.056.69 quarts (lq.)
1 cubic meter	= 250 gallons	264. 172 gallons
1 gram	= 0.035 ounces (avdp.)	0.035 274 ounces (avdp.)
1 kilogram	= 2.2 pounds (avdp.)	2.204 62 pounds (avdp.)
1 kilowatt	= 1.3 horsepower	1.341 02 horsepower

## CONVERSIONS OF FRACTIONS OF AN INCH TO DECIMAL AND MILLIMETER EQUIVALENTS

Inches	MM	Inches	MM	Inches	MM
1/64	.015625	.397	23/64	.359375	9.128
1/32	.03125	.794	3/8	.375	9.525
3/64	.046875	1.191	25/64	.390625	9.922
1/16	.0625	1.588	13/32	.40625	10.319
5/64	.078125	1.984	27/64	.421875	10.716
3/32	.09375	2.381	7/16	.4375	11.113
7/64	.109375	2.778	29/64	.453125	11.509
1/8	.125	3.175	15/32	.46875	11.906
9/64	.140625	3.572	31/64	.484375	12.303
5/32	.15625	3.969	1/2	.500	12.700
11/64	.171875	4.366	33/64	.515625	13.097
3/16	.1875	4.763	17/32	.53125	13.494
13/64	.203125	5.159	35/64	.546875	13.891
7/32	.21875	5.556	9/16	.5625	14.288
15/64	.234375	5.953	37/64	.578125	14.684
1/4	.250	6.350	19/32	.59375	15.081
17/64	.265625	6.747	39/64	.609375	15.478
9/32	.28125	7.144	5/8	.625	15.875
19/64	.296875	7.540	41/64	.640625	16.272
5/16	.3125	7.938	21/32	.65625	16.669
21/64	.328125	8.334	43/64	.671875	17.066
11/32	3.4375	8.731	11/16	.6875	17.463