

VALLEY IRON INC.

*stocks the following items in addition to
the materials listed on subsequent pages:*

- **REBAR – #3 THRU #9 – GRADE 40, 60 & A706**
- **1055 BEVELED EDGE PLOW**
- **MISCELLANEOUS REMNANT STEEL**

*We also have the following
metal preparation services available:*

- **FLAME CUTTING – PLASMA CUTTING**
- **ABRASIVE & BANDSAW CUTTING**
- **SHEARING & BREAKING**
- **PUNCHING • DRILLING**

*Call us for all your
metal preparation needs!*



3114 S. CHERRY AVE. • FRESNO, CA 93706
P.O. BOX 12024 • FRESNO, CA 93776

559 - 485 - 3900

CALL TOLL FREE • 800 - 331 - 4766

FAX • 559 - 441 - 0279

Email: sales@valleyiron.com

Monday - Friday 7:30am to 5:00pm
Saturday 7:30am to Noon

3114 S. Cherry Ave., P.O. Box 12024 Fresno, CA 93776-2024
Tel: (559) 485-3900 Fax (559) 441-0279
www.valleyiron.com

Starting in 1958, and under current ownership since 1983, Valley Iron Inc. continues to grow and service the San Joaquin Valley, central coast, and bay area.

Distributing all types of stainless, aluminum, and carbon steel products, our growth is the result of developing a trusting relationship with customers, providing on-time delivery, and maintaining an inventory level large enough to provide all the needs of our diversified customer base.

In 2005, we moved into a new 20-acre distribution facility. Still located on Cherry Avenue, approximately one mile south of our current location, we have over 130,000 square feet of warehouse space, plus increased value-added services.



Valley Iron – Where One Call Gets It All

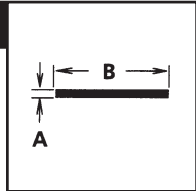
MISSION STATEMENT

Valley Iron Inc. is a family owned steel service center in the heart of Central California. We strive to be a leader in the steel industry through our total commitment to maintaining business integrity, offering employee growth opportunities, providing exceptional customer service, quality products, and processing services.

Our strength is our people. Working together we strive to maintain our existing customer base, establish new business relationships, and adapt to a continually changing industry.

STRIP

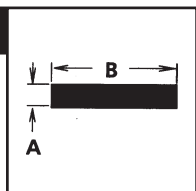
- HOT ROLLED - CARBON STEEL
STOCK LENGTH: 20 ft



SIZE Inches	WEIGHT - POUNDS Per Foot	20 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	20 ft
$\frac{1}{8} \times \frac{1}{2}$	.213	4.26	$\frac{3}{16} \times \frac{1}{2}$	.319	6.38
$\frac{3}{4}$	.319	6.38	$\frac{3}{4}$	.478	9.56
1	.425	8.50	1	.638	12.76
1 $\frac{1}{4}$	.531	10.62	1 $\frac{1}{4}$	.797	15.94
1 $\frac{1}{2}$	.638	12.76	1 $\frac{1}{2}$	.956	19.12
1 $\frac{3}{4}$	.744	14.88	1 $\frac{3}{4}$	1.116	22.32
2	.850	17.00	2	1.275	25.50
2 $\frac{1}{2}$	1.063	21.26	2 $\frac{1}{2}$	1.594	31.88
3	1.275	25.50	3	1.913	38.26
3 $\frac{1}{2}$	1.488	29.76	3 $\frac{1}{2}$	2.231	44.62
4	1.700	34.00	4	2.550	51.00
4 $\frac{1}{2}$	1.913	38.26	4 $\frac{1}{2}$	2.869	57.38
5	2.125	42.50	5	3.188	63.76
6	2.550	51.00	6	3.825	76.50
7	2.975	59.50	7	4.463	89.26
8	3.400	68.00	8	5.100	102.00
10	4.250	85.00	10	6.375	127.50
12	5.100	102.00	12	7.650	153.00

FLAT BAR

- A 36 HOT ROLLED
- 1055 HOT ROLLED PLOW-*selected sizes*
STOCK LENGTH: 20 ft



SIZE Inches	WEIGHT - POUNDS Per Foot	20 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	20 ft
$\frac{1}{4} \times \frac{1}{2}$	.425	8.50	$\frac{5}{16} \times \frac{1}{2}$	.531	10.62
$\frac{3}{4}$	.638	12.76	$\frac{3}{4}$	.797	15.94
1	.850	17.00	1	1.063	21.26
1 $\frac{1}{4}$	1.063	21.26	1 $\frac{1}{4}$	1.328	26.56
1 $\frac{1}{2}$	1.275	25.50	1 $\frac{1}{2}$	1.594	31.88
1 $\frac{3}{4}$	1.488	29.76	1 $\frac{3}{4}$	1.859	37.18
2	1.700	34.00	2	2.125	42.50
2 $\frac{1}{2}$	2.125	42.50	2 $\frac{1}{2}$	2.656	53.12
3	2.550	51.00	3	3.188	63.76
3 $\frac{1}{2}$	2.975	59.50	3 $\frac{1}{2}$	3.719	74.38
4	3.400	68.00	4	4.250	85.00
4 $\frac{1}{2}$	3.825	76.50	4 $\frac{1}{2}$	4.781	95.62
5	4.250	85.00	5	5.313	106.26
5 $\frac{1}{2}$	4.675	93.50	6	6.375	127.50
6	5.100	102.00	7	7.438	148.76
7	5.950	119.00	8	8.500	170.00
8	6.800	136.00			

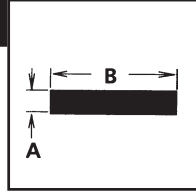
FLAT BAR

SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
$\frac{3}{8}$ x $\frac{1}{2}$	.638	12.75	$\frac{3}{4}$ x 1	2.550	51.00
$\frac{3}{4}$	.956	19.12	1 $\frac{1}{4}$	3.188	63.76
1	1.275	25.50	1 $\frac{1}{2}$	3.825	76.50
1 $\frac{1}{4}$	1.594	31.88	2	5.100	102.00
1 $\frac{1}{2}$	1.913	38.26	2 $\frac{1}{2}$	6.375	127.50
1 $\frac{3}{4}$	2.231	44.62	3	7.650	153.00
2	2.550	51.00	3 $\frac{1}{2}$	8.925	178.50
2 $\frac{1}{2}$	3.188	63.76	4	10.200	204.00
3	3.825	76.50	4 $\frac{1}{2}$	11.480	229.60
3 $\frac{1}{2}$	4.463	89.26	5	12.750	255.00
4	5.100	102.00	6	15.300	306.00
4 $\frac{1}{2}$	5.738	114.76	7	17.850	357.00
5	6.375	127.50	8	20.400	408.00
5 $\frac{1}{2}$	7.013	140.26			
6	7.650	153.00	1 x 1 $\frac{1}{4}$	4.20	85.00
7	8.925	178.50	1 $\frac{1}{2}$	5.10	102.00
8	10.200	204.00	2	6.80	136.00
			2 $\frac{1}{2}$	8.50	170.00
$\frac{1}{2}$ x $\frac{3}{4}$	1.275	25.50	3	10.20	204.00
1	1.700	34.00	3 $\frac{1}{2}$	11.90	238.00
1 $\frac{1}{4}$	2.125	42.50	4	13.60	272.00
1 $\frac{1}{2}$	2.550	51.00	4 $\frac{1}{2}$	15.30	306.00
1 $\frac{3}{4}$	2.975	59.50	5	17.00	340.00
2	3.400	68.00	6	20.40	408.00
2 $\frac{1}{2}$	4.250	85.00	7	23.80	476.00
3	5.100	102.00	8	27.20	544.00
3 $\frac{1}{2}$	5.950	119.00			
4	6.800	136.00	1 $\frac{1}{4}$ x 2	8.50	170.00
4 $\frac{1}{2}$	7.650	153.00	2 $\frac{1}{2}$	10.63	212.60
5	8.500	170.00	3	12.75	255.00
5 $\frac{1}{2}$	9.350	187.00	3 $\frac{1}{2}$	14.88	297.60
6	10.200	204.00	4	17.00	340.00
7	11.900	238.00	4 $\frac{1}{2}$	19.13	382.60
8	13.600	272.00	5	21.25	425.00
			6	25.50	510.00
$\frac{5}{8}$ x 1	2.125	42.50	7	29.75	595.00
1 $\frac{1}{4}$	2.656	53.12	8	34.00	680.00
1 $\frac{1}{2}$	3.188	63.76			
1 $\frac{3}{4}$	3.719	74.38	1 $\frac{1}{2}$ x 2	10.20	204.00
2	4.250	85.00	2 $\frac{1}{2}$	12.75	255.00
2 $\frac{1}{2}$	5.313	106.26	3	15.30	306.00
3	6.375	127.50	3 $\frac{1}{2}$	17.85	357.00
3 $\frac{1}{2}$	7.438	148.76	4	20.40	408.00
4	8.500	170.00	4 $\frac{1}{2}$	22.95	459.00
4 $\frac{1}{2}$	9.563	191.26	5	25.50	510.00
5	10.630	212.60	6	30.60	612.00
6	12.750	255.00	7	35.70	714.00
7	14.880	297.60	8	40.80	816.00
8	17.000	340.00			

559 - 485 - 3900

UNIVERSAL MILL PLATE

- A 36 HOT ROLLED
STOCK LENGTH: 20 ft



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
$\frac{1}{4}$ x 9	7.65	153.0	$\frac{5}{8}$ x 9	19.13	382.6
10	8.50	170.0	10	21.25	425.0
12	10.20	204.0	12	25.50	510.0
$\frac{5}{16}$ x 9	9.56	191.2	$\frac{3}{4}$ x 9	22.95	459.0
10	10.63	212.6	10	25.50	510.0
12	12.75	255.0	12	30.60	612.0
$\frac{3}{8}$ x 9	11.48	229.6	1 x 9	30.60	612.0
10	12.75	255.0	10	34.00	680.0
12	15.30	306.0	12	40.80	816.0
$\frac{1}{2}$ x 9	15.30	306.0			
10	17.00	340.0			
12	20.40	408.0			

- FOR SIZES NOT SHOWN -
CHECK POSSIBILITY OF CUTTING TO SIZE

.....

VALLEY IRON PLATE PROCESSING CAPABILITIES

HR Plate: Oxy-Fuel Cutting $\frac{1}{4}$ " thru 12" thickness

Plasma Cutting: $\frac{1}{4}$ " thru $1\frac{1}{2}$ " thickness

Stainless Plate: $\frac{1}{4}$ " thru $1\frac{1}{4}$ " thickness

REINFORCING BARS

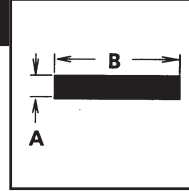
- GRADE 40 - SIZES 3 to 5
 - GRADE 60 - SIZES 4 to 8
 - A706 (WELDABLE)
- STOCK LENGTH: 20 ft



BAR NUMBER DESIGNATION	Inches	Per Foot	WEIGHT - POUNDS	
			20 ft	40 ft
3	$\frac{3}{8}$	.376	7.52	15.04
4	$\frac{1}{2}$	.668	13.36	26.72
5	$\frac{5}{8}$	1.043	20.86	41.72
6	$\frac{3}{4}$	1.502	30.04	60.08
7	$\frac{7}{8}$	2.044	40.88	81.76
8	1	2.670	53.80	107.60
9	$1\frac{1}{8}$	3.379	67.58	135.16

COLD FINISH FLAT BAR

- 1018 COLD ROLLED
- OTHER SIZES AVAILABLE UPON REQUEST
(CALL TO INQUIRE)
- STOCK LENGTH: 12 Ft Random Length



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS			
	Per Foot	12 ft		Per Foot	12 ft		
$\frac{1}{8}$ x $\frac{1}{2}$	$\frac{5}{8}$	.2127	2.552	$\frac{5}{16}$ x $\frac{3}{4}$	1	.7976	9.572
	$\frac{3}{4}$	.2659	3.191		1	1.064	12.76
	1	.3191	12.76		$\frac{1}{4}$	1.329	15.95
	$\frac{1}{4}$	.4254	5.105		$\frac{1}{2}$	1.595	19.14
	$\frac{1}{2}$	.5318	6.381		2	2.127	25.52
	$\frac{1}{2}$	.6381	7.657		$2\frac{1}{2}$	2.659	31.91
	$\frac{3}{4}$	.7445	8.933		3	3.191	38.29
	2	.8508	10.21		4	4.254	51.05
	$2\frac{1}{2}$	1.064	12.76		5	5.318	63.81
	3	1.276	15.31		6	6.381	76.57
	4	1.702	20.42		$\frac{3}{8}$ x $\frac{1}{2}$	$\frac{5}{8}$.6381	7.657
5	2.127	25.52	$\frac{5}{8}$	.7976		9.572	
6	2.552	30.63	$\frac{3}{4}$	.9572		11.49	
$\frac{3}{16}$ x $\frac{3}{4}$	$\frac{3}{4}$	.4786	5.743	1		1.276	15.31
	1	.6381	7.657	$\frac{1}{4}$		1.595	19.14
	$\frac{1}{4}$	.7976	9.572	$\frac{1}{2}$		1.914	22.97
	$\frac{1}{2}$	.9572	11.49	2		2.552	30.63
	2	1.279	15.31	$2\frac{1}{2}$		3.191	38.29
	3	1.914	22.97	3		3.829	45.94
4	2.552	30.63	4	5.105		61.26	
5	3.191	38.29	5	6.381		76.57	
6	3.829	45.94	6	7.657	91.89		
$\frac{1}{4}$ x $\frac{3}{8}$	$\frac{3}{8}$	.3191	3.829	7	8.933	107.2	
	$\frac{1}{2}$	.4254	5.105	8	10.21	122.5	
	$\frac{5}{8}$	.5318	6.381	$\frac{7}{16}$ x 1	1	1.489	17.87
	$\frac{3}{4}$	.6381	7.657		$\frac{1}{2}$	2.333	26.80
	$\frac{7}{8}$	.7445	8.933		2	2.979	35.74
	1	.8508	10.21		$2\frac{1}{2}$	3.722	44.667
	$\frac{1}{8}$	.9572	11.49	$\frac{1}{2}$ x $\frac{5}{8}$	$\frac{5}{8}$	1.064	12.76
	$\frac{1}{4}$	1.064	12.76		$\frac{3}{4}$	1.276	15.31
	$\frac{3}{4}$	1.489	17.87		$\frac{7}{8}$	1.489	17.87
	2	1.702	20.42		1	1.702	20.42
	$2\frac{1}{2}$	2.127	25.52		$\frac{1}{4}$	2.127	25.52
3	2.552	30.63	$\frac{1}{2}$		2.552	30.63	
$3\frac{1}{2}$	2.978	35.73	2		3.403	40.84	
4	3.403	40.84	$2\frac{1}{2}$		4.254	51.05	
5	4.254	51.05	3		5.105	61.25	
6	5.105	61.26	4		6.806	81.68	
7	5.956	71.47	5		8.508	102.1	
8	6.806	81.68	6	10.21	122.5		
			8	13.61	163.4		
			10	17.02	204.2		
			12	20.42	245.0		

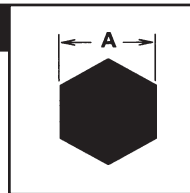
800 - 331 - 4766

COLD FINISH FLAT BAR

SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS			
	Per Foot	12 ft		Per Foot	12 ft		
5/8 x 7/8	1	1.861	22.33	1 x 1 1/4	4.254	51.05	
	1	2.127	25.52		1 1/2	5.105	61.26
	1 1/4	2.659	31.91		2	6.806	81.68
	1 1/2	3.191	38.29		3	10.21	122.5
	2	4.254	51.05		4	13.61	163.4
	3	6.381	76.57		5	17.02	204.2
	4	8.508	102.1	6	20.42	245.0	
	5	10.64	127.6	1 1/4 x 2	8.508	102.1	
	6	12.76	153.1		3	12.76	153.1
	8	17.02	204.2		4	17.02	204.2
	10	21.27	255.5		5	21.27	255.2
	12	25.52	306.3		6	25.52	306.3
			8		34.03	408.4	
3/4 x 1	1 1/4	2.552	30.63	10	42.54	510.5	
	1 1/2	3.191	38.29	12	51.05	612.6	
	2	3.829	45.94	1 1/2 x 2	10.21	122.5	
	3	5.105	61.26		2 1/4	11.48	137.8
	4	7.657	91.89		3	15.31	183.8
	5	10.21	122.5		4	20.42	245.0
	6	12.76	153.1		5	25.52	306.3
	8	15.31	183.8		6	30.63	367.5
	9	20.42	245.0	8	40.84	490.1	
	10	22.97	275.7	10	51.05	612.6	
	12	25.52	306.3	12	61.26	735.1	
				2 x 3	20.42	245.0	
7/8 x 1	1 1/4	2.978	35.73		4	27.23	326.7
	1 1/2	3.722	44.67		5	34.03	408.4
	2	4.467	53.60		6	40.84	490.1
	3	5.956	71.47		8	54.45	653.4
	4	8.933	107.2		10	68.06	816.8
	6	11.91	142.9	12	81.68	980.1	
			12	81.68	980.1		

HEXAGONAL BAR

- 1018 COLD ROLLED
- A36 conveyor grade - *selected sizes*
- STOCK LENGTH: Random 12 ft

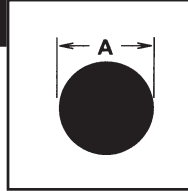


SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	12 ft		Per Foot	12 ft
1/4	.1842	2.21	3/4	1.658	19.89
5/16	.2875	3.45	7/8	2.257	27.08
3/8	.4145	4.97	1	2.9473	35.36
*7/16	.5641	6.76	1 1/4	4.6052	55.26
1/2	.7368	8.84	1 1/2	6.6310	79.57
9/16	.9325	11.19	2	11.79	141.48
5/8	1.151	13.81			
11/16	1.393	16.71			

*Stocked in A36 Conveyor Grade 20 ft. Lengths

ROUND BAR

- A36 HOT ROLLED
 - 1018 COLD FINISHED
 - 1045 TG & P - *selected sizes* 20 ft & 24 ft
 - 1144 STRESS RELIEVED - *selected sizes*
- STOCK LENGTHS: 12 ft & 20 ft



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
1/8	.042	0.84	2	10.681	213.62
3/16	.094	1.88	2 1/16	11.360	227.20
1/4	.167	3.34	2 1/8	12.058	241.06
5/16	.261	5.22	2 3/16	12.778	255.56
3/8	.376	7.52			
7/16	.511	10.22	2 1/4	13.519	270.38
			2 5/16	14.280	285.60
1/2	.668	13.36	2 3/8	15.063	301.26
9/16	.845	16.90	2 7/16	15.866	317.32
5/8	1.043	20.86			
1 1/16	1.262	25.24	2 1/2	16.690	333.80
			2 9/16	17.535	350.70
3/4	1.502	30.04	2 5/8	18.400	368.00
13/16	1.763	35.26	2 11/16	19.287	385.74
7/8	2.044	40.88			
1 5/16	2.347	46.94	2 3/4	20.195	403.90
			2 13/16	21.123	422.46
1	2.670	53.40	2 7/8	22.072	441.42
1 1/16	3.015	60.30	2 15/16	23.042	460.84
1 1/8	3.379	67.58			
1 3/16	3.766	75.32	3	24.033	480.66
			3 1/4	28.206	564.12
1 1/4	4.173	83.46	3 3/8	30.417	608.34
1 5/16	4.600	92.00	3 1/2	32.712	654.24
1 3/8	5.049	100.98	3 3/4	37.552	751.04
1 7/16	5.518	110.36	3 15/16	41.401	828.02
1 1/2	6.008	120.16	4	42.726	854.52
1 9/16	6.520	130.40	4 1/4	48.233	964.66
1 5/8	7.051	141.02	4 1/2	54.075	1081.50
1 11/16	7.604	152.08	4 3/4	60.250	1205.00
1 3/4	8.178	163.56	5	66.759	1335.18
1 7/8	8.773	175.46	5 1/2	80.778	1615.56
1 7/8	9.388	187.76			
1 15/16	10.024	200.48	6	96.130	1922.60

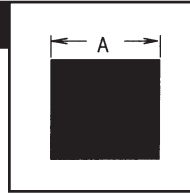
TYPICAL MECHANICAL PROPERTIES

GRADE	TENSILE STRENGTH (psi)	YIELD POINT (psi)	MACHINABILITY RATING (CD 1112 = 100%)	HARDNESS
A36	58,000	38,000	52%	116 BHN
1018	64,000	54,000	66%	126 BHN
1045	76,000	42,000	62%	149 BHN
1144	132,300	100,000	83%	250 BHN

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SQUARE BAR

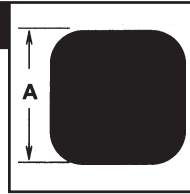
- A 36 HOT ROLLED
STOCK LENGTH: 20 ft
- 1018 COLD FINISHED
STOCK LENGTH: 12 ft



SIZE Inches	WEIGHT - POUNDS			SIZE Inches	WEIGHT - POUNDS		
	Per Foot	12 ft	20 ft		Per Foot	12 ft	20 ft
$\frac{3}{16}$	.120	1.44	2.40	$1\frac{1}{8}$	4.303	51.48	86.06
$\frac{1}{4}$	.213	2.56	4.26	$1\frac{1}{4}$	5.313	63.76	106.26
$\frac{5}{16}$	.332	3.98	6.64	$1\frac{3}{8}$	6.428	77.14	128.56
$\frac{3}{8}$	.478	5.74	9.56	$1\frac{1}{2}$	7.650	91.80	153.00
$\frac{7}{16}$	.651	7.81	13.02	$1\frac{5}{8}$	8.978	107.74	179.56
$\frac{1}{2}$	.850	10.20	17.00	$1\frac{3}{4}$	10.413	124.92	208.26
$\frac{9}{16}$	1.076	12.91	21.52	$1\frac{7}{8}$	11.953	143.40	239.06
$\frac{5}{8}$	1.328	15.94	26.56	2	13.600	163.20	272.00
$\frac{3}{4}$	1.913	22.96	38.26	$2\frac{1}{4}$	17.213	206.52	344.26
$\frac{7}{8}$	2.603	31.24	52.06	$2\frac{1}{2}$	21.250	255.00	425.00
1	3.400	40.80	68.00	$2\frac{3}{4}$	25.713	308.52	514.26

TUL BAR - solid

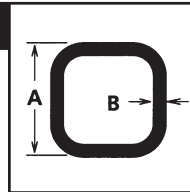
- $2\frac{1}{4}$ INCH SQUARE
- SPECIAL QUALITY
- 1070 HOT ROLLED
STOCK LENGTHS: 21, 28, 32, & 42 ft



SIZE Inches	Per Foot	WEIGHT - POUNDS			
		21 ft	28 ft	32 ft	42 ft
$2\frac{1}{4}$	17.21	361.41	481.88	550.72	722.82

TUL BAR - Hollow

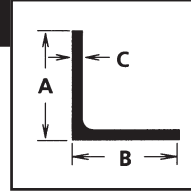
- $2\frac{1}{4} \times 2\frac{1}{4} \times .250$ In
- SPECIAL QUALITY
- ASTM A 500 - 70,000 PSI MIN. YIELD
STOCK LENGTHS: 21, 28, 32, & 42 ft



SIZE Inches	Per Foot	WEIGHT - POUNDS			
		21 ft	28 ft	32 ft	42 ft
$2\frac{1}{4}$	6.26	131.46	175.28	200.32	262.92

ANGLE - Bar Sizes

- A 36 HOT ROLLED
STOCK LENGTHS: 20 & 40 ft
30 FT LENGTHS AVAILABLE - *selected sizes*

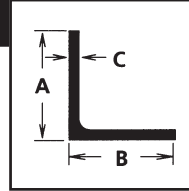


SIZE - INCHES			Per Foot	WEIGHT - POUNDS		
A	B	C		20 ft	30 ft	40 ft
1/2	x 1/2	x 1/8	.38	7.60		
3/4	x 3/4	x 1/8	.59	11.80		
1	x 1	x 1/8	.80	16.00		
		3/16	1.16	23.20		
		1/4	1.49	29.80		
1 1/4	x 1 1/4	x 1/8	1.01	20.20		
		3/16	1.48	29.60		
		1/4	1.92	38.40		
1 1/2	x 1 1/2	x 1/8	1.23	24.60		
		3/16	1.80	36.00		
		1/4	2.34	46.80		
		3/8	3.35	67.00		
1 3/4	x 1 3/4	x 1/8	1.44	28.80		
		3/16	2.12	42.40		
		1/4	2.77	55.40		
2	x 1 1/2	x 1/8	1.44	28.80		
		3/16	2.12	42.40		
		1/4	2.77	55.40		
2	x 2	x 1/8	1.65	33.00	49.50	66.00
		3/16	2.44	48.80	73.20	97.60
		1/4	3.19	63.80	95.70	127.60
		5/16	3.92	78.40	117.60	156.80
		3/8	4.70	94.00	141.00	188.00
2 1/2	x 1 1/2	x 3/16	2.44	48.80	73.20	97.60
		1/4	3.19	63.80	95.70	127.60
2 1/2	x 2	x 3/16	2.75	55.00	82.50	110.00
		1/4	3.62	72.40	108.60	144.80
		5/16	4.50	90.00	135.00	180.00
		3/8	5.30	106.00	159.00	212.00
2 1/2	x 2 1/2	x 3/16	3.07	61.40	92.10	122.80
		1/4	4.10	82.00	123.00	164.00
		5/16	5.00	100.00	150.00	200.00
		3/8	5.90	118.00	177.00	236.00
		1/2	7.70	154.00	231.00	308.00

800 - 331 - 4766

ANGLE - Structural

- A 36 HOT ROLLED
STOCK LENGTHS: 20, 30 & 40 ft



SIZE - INCHES			Per Foot	WEIGHT - POUNDS		
A	B	C		20 ft	30 ft	40 ft
3	x 2	x 3/16	3.07	61	92	123
		1/4	4.10	82	123	164
		5/16	5.00	100	150	200
		3/8	5.90	118	177	236
		1/2	7.70	154	231	308
3	x 2 1/2	x 3/16	3.39	68	102	136
		1/4	4.50	90	135	180
		5/16	5.60	112	168	224
		3/8	6.60	132	198	264
		1/2	8.50	170	255	340
3	x 3	x 3/16	3.71	74	111	148
		1/4	4.90	98	147	196
		5/16	6.10	122	183	244
		3/8	7.20	144	216	288
		1/2	9.40	188	282	376
3 1/2	x 2 1/2	x 1/4	4.90	98	147	196
		5/16	6.10	122	183	244
		3/8	7.20	144	216	288
		1/2	9.40	188	282	376
3 1/2	x 3	x 1/4	5.40	108	162	216
		5/16	6.60	132	198	264
		3/8	7.90	158	237	316
		1/2	10.20	204	306	408
3 1/2	x 3 1/2	x 1/4	5.80	116	174	232
		5/16	7.20	144	216	288
		3/8	8.50	170	255	340
		1/2	11.10	222	333	444
4	x 3	x 1/4	5.80	116	174	232
		5/16	7.20	144	216	288
		3/8	8.50	170	255	340
		1/2	11.10	222	333	444
		5/8	13.60	272	408	544
4	x 3 1/2	x 1/4	6.20	124	186	248
		5/16	7.70	154	231	308
		3/8	9.10	182	273	364
		1/2	11.90	238	357	476
4	x 4	x 1/4	6.60	132	198	264
		5/16	8.20	164	246	328
		3/8	9.80	196	294	392
		1/2	12.80	256	384	512
		5/8	15.70	314	471	628
		3/4	18.50	370	555	740

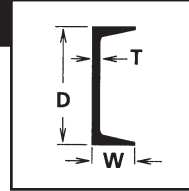
ANGLE - Structural

SIZE - INCHES			Per Foot	WEIGHT - POUNDS		
A	B	C		20 ft	30 ft	40 ft
5	x 3	x 1/4	6.60	132	198	264
		5/16	8.20	164	246	328
		3/8	9.80	196	294	392
		1/2	12.80	256	384	512
5	x 3 1/2	x 1/4	7.00	140	210	280
		5/16	8.70	174	261	348
		3/8	10.40	208	312	416
		1/2	13.60	272	408	544
		5/8	16.80	336	504	672
		3/4	19.80	396	594	792
5	x 5	x 5/16	10.30	206	309	412
		3/8	12.30	246	369	492
		1/2	16.20	324	486	648
		5/8	20.00	400	600	800
		3/4	23.60	472	708	944
6	x 3 1/2	x 5/16	9.80	196	294	392
		3/8	11.70	234	351	468
		1/2	15.30	306	459	612
6	x 4	x 5/16	10.30	206	309	412
		3/8	12.30	246	369	492
		1/2	16.20	324	486	648
		5/8	20.00	400	600	800
		3/4	23.60	472	708	944
6	x 6	x 5/16	12.50	250	375	500
		3/8	14.90	298	447	596
		1/2	19.60	392	588	784
		5/8	24.20	484	726	968
		3/4	28.70	574	861	1148
		1	37.40	748	1122	1496
7	x 4	x 3/8	13.60	272	408	544
		1/2	17.90	358	537	716
		3/4	26.20	524	786	1048
8	x 4	x 1/2	19.60	392	588	784
		5/8	24.20	484	726	968
		3/4	28.70	574	861	1148
8	x 6	x 1/2	23.00	460	690	920
		5/8	28.50	570	855	1140
		3/4	33.80	676	1014	1352
		1	44.20	884	1326	1768
8	x 8	x 1/2	26.40	528	792	1056
		5/8	32.70	654	981	1308
		3/4	38.90	778	1167	1556
		1	51.00	1020	1530	2040

559 - 485 - 3900

CHANNEL - Bar Size

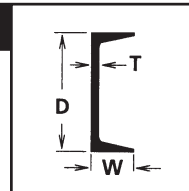
- A 36 HOT ROLLED
STOCK LENGTH: 20 ft



SIZE - INCHES			Per Foot	WEIGHT - POUNDS	
D	W	T		20 ft	30 ft
3/4	x 3/8	x 1/8	.54	10.80	
1	x 1/2	x 1/8	.80	16.00	
1 1/4	x 1/2	x 1/8	1.00	20.00	
1 1/2	x 1/2	x 1/8	1.12	22.40	
1 1/2	x 9/16	x 3/16	1.44	28.80	
1 1/2	x 3/4	x 1/8	1.17	23.40	
2	x 1/2	x 1/8	1.43	28.60	
2	x 9/16	x 3/16	1.76	35.20	
2	x 1	x 1/8	1.59	31.80	
2	x 1	x 3/16	2.32	46.40	

CHANNEL - Structural

- A 36 HOT ROLLED
STOCK LENGTHS: 20, 30, 40, 50 & 60 ft



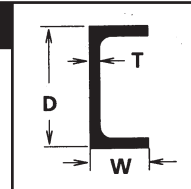
DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
3	3.50	1.375	.135	70	105	140
	4.10	1.410	.170	82	123	164
	5.00	1.498	.258	100	150	200
	6.00	1.596	.356	120	180	240
4	4.50	1.560	.140	90	135	180
	5.40	1.580	.180	108	162	216
	6.25	1.647	.247	125	188	250
	7.25	1.720	.320	145	218	290
5	6.70	1.750	.190	134	201	268
	9.00	1.885	.325	180	270	360
6	8.20	1.920	.200	164	246	328
	10.50	2.034	.314	210	315	420
	13.00	2.157	.437	260	390	520

CHANNEL - Structural

DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
7	9.80	2.090	.210	196	294	392
	12.25	2.194	.314	245	268	490
	14.75	2.299	.419	295	443	590
8	11.50	2.260	.220	230	345	460
	13.75	2.343	.303	275	413	550
	18.75	2.527	.487	375	563	750
9	13.40	2.430	.230	268	402	536
	15.00	2.485	.285	300	450	600
	20.00	2.648	.448	400	600	800
10	15.30	2.600	.240	306	459	612
	20.00	2.739	.379	400	600	800
	25.00	2.886	.526	500	750	1000
	30.00	3.033	.673	600	900	1200
12	20.70	2.940	.280	414	621	828
	25.00	3.047	.387	500	750	1000
	30.00	3.170	.510	600	900	1200
15	33.90	3.400	.400	678	1017	1356
	40.00	3.520	.520	800	1200	1600
	50.00	3.716	.716	1000	1500	2000

SHIP CHANNEL

- A 36 HOT ROLLED
Call for availability

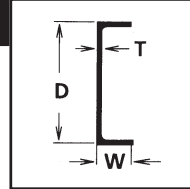


DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
6	12.0	2.500	.313	240	360	480
	15.3	3.500	.340	306	459	612
8	18.7	2.975	.350	374	561	748
	21.4	3.450	.375	428	642	856
	22.8	3.500	.425	456	684	912
10	21.9	3.450	.325	438	657	876
	28.5	3.950	.425	570	855	1140
12	30.9	3.450	.450	618	927	1236
	35.0	3.767	.467	700	1050	1400
18	42.7	3.950	.450	854	1281	1708
	45.8	4.000	.500	916	1374	1832

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JR CHANNEL

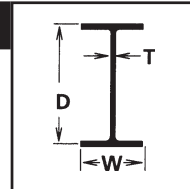
- A 36 HOT ROLLED
Call for availability



DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
8	8.5	1.875	.180	170	255	340
10	6.5	1.125	.150	130	195	260
	8.4	1.500	.170	168	252	336
12	10.6	1.500	.190	212	318	424

JR BEAM

- A 36 HOT ROLLED
Call for availability



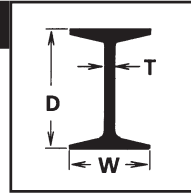
DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
6	4.4	1.875	.125	88	132	176
7	5.5	2.125	.125	110	165	220
8	6.5	2.250	.125	130	195	260
10	9.0	2.750	.188	180	270	360
12	11.8	3.000	.188	2367	354	472

CAN'T FIND IT?

CALL US!

STD I BEAM

- A 36 HOT ROLLED
STOCK LENGTHS: 20 & 40 FT

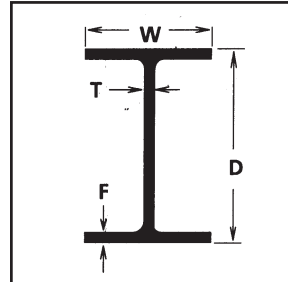


DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
3	5.70	2.330	.170	114	171	228
	7.50	2.509	.349	150	225	300
4	7.70	2.660	.190	154	231	308
	9.50	2.796	.326	190	285	380
5	10.00	3.000	.210	200	300	400
	14.75	3.284	.494	295	443	590
6	12.50	3.330	.230	250	375	500
	17.25	3.565	.465	345	518	690
7	15.30	3.660	.250	306	459	612
	20.00	3.860	.450	400	600	800
8	18.40	4.000	.270	368	552	736
	23.00	4.171	.441	460	690	920
10	25.40	4.660	.310	508	762	1016
	35.00	4.944	.594	700	1050	1400
12	31.80	5.000	.350	636	954	1272
	35.00	5.078	.428	700	1050	1400
	40.80	5.250	.460	816	1224	1632
	50.00	5.477	.687	1000	1500	2000
15	42.90	5.500	.410	858	1287	1716
	50.00	5.640	.550	1000	1500	2000
18	54.70	6.000	.460	1094	1641	2188
	70.00	6.251	.711	1400	2100	2800
20	65.40	6.250	.500	1308	1962	2616
	75.00	6.391	.641	1500	2250	3000
24	80.00	7.000	.747	1598	2397	3196

WIDE FLANGE & H BEAMS

Decimal dimensions are in accordance with those listed in ASTM A6-77b. The AISC criteria that governs the method for determining the approximate dimensions are as follows:

- **D, W** - **Depth** of section and **Width** of flange rounded to the nearest $\frac{1}{8}$ "
 - **F, T** - **Flange** and **Web Thicknesses** rounded to the nearest $\frac{1}{16}$ "
 - A 36/A992
- STOCK LENGTHS: 20, 30, 40, 50 & 60 ft



SECTION NUMBER	POUNDS PER FOOT	DEPTH OF SECTION	FLANGE		WEB THICKNESS
			WIDTH	THICKNESS	
W4 x	13	4 $\frac{1}{8}$	4	$\frac{3}{8}$	$\frac{1}{4}$
W5 x	16	5	5	$\frac{3}{8}$	$\frac{1}{4}$
	19	5 $\frac{1}{8}$	5	$\frac{7}{16}$	$\frac{1}{4}$
W6 x	9	5 $\frac{7}{8}$	4	$\frac{3}{16}$	$\frac{3}{16}$
	12	6	4	$\frac{1}{4}$	$\frac{1}{4}$
	16	6 $\frac{1}{4}$	4	$\frac{3}{8}$	$\frac{1}{4}$
W6 x	15	6	6	$\frac{1}{4}$	$\frac{1}{4}$
	20	6 $\frac{1}{4}$	6	$\frac{3}{8}$	$\frac{1}{4}$
	25	6 $\frac{3}{8}$	6 $\frac{1}{8}$	$\frac{7}{16}$	5 $\frac{1}{16}$
W8 x	10	7 $\frac{7}{8}$	4	$\frac{3}{16}$	$\frac{3}{16}$
	13	8	4	$\frac{1}{4}$	$\frac{1}{4}$
	15	8 $\frac{1}{8}$	4	$\frac{5}{16}$	$\frac{1}{4}$
W8 x	18	8 $\frac{1}{8}$	5 $\frac{1}{4}$	$\frac{5}{16}$	$\frac{1}{4}$
	21	8 $\frac{1}{4}$	5 $\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{4}$
W8 x	24	7 $\frac{7}{8}$	6 $\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$
	28	8	6 $\frac{1}{2}$	$\frac{7}{16}$	5 $\frac{1}{16}$
W8 x	31	8	8	$\frac{7}{16}$	5 $\frac{1}{16}$
	35	8 $\frac{1}{8}$	8	$\frac{1}{2}$	5 $\frac{1}{16}$
	40	8 $\frac{1}{4}$	8 $\frac{1}{8}$	$\frac{9}{16}$	$\frac{3}{8}$
	48	8 $\frac{1}{2}$	8 $\frac{1}{8}$	$\frac{11}{16}$	$\frac{3}{8}$
	58	8 $\frac{3}{4}$	8 $\frac{1}{4}$	$\frac{13}{16}$	$\frac{1}{2}$
	67	9	8 $\frac{1}{4}$	$\frac{15}{16}$	9 $\frac{1}{16}$
W10 x	12	9 $\frac{7}{8}$	4	$\frac{3}{16}$	$\frac{3}{16}$
	15	10	4	$\frac{1}{4}$	$\frac{1}{4}$
	17	10 $\frac{1}{8}$	4	$\frac{5}{16}$	$\frac{1}{4}$
	19	10 $\frac{1}{4}$	4	$\frac{3}{8}$	$\frac{1}{4}$
W10 x	22	10 $\frac{1}{8}$	5 $\frac{3}{4}$	$\frac{3}{8}$	$\frac{1}{4}$
	26	10 $\frac{3}{8}$	5 $\frac{3}{4}$	$\frac{7}{16}$	$\frac{1}{4}$
	30	10 $\frac{1}{2}$	5 $\frac{3}{4}$	$\frac{1}{2}$	5 $\frac{1}{16}$
W10 x	33	9 $\frac{3}{4}$	8	$\frac{7}{16}$	5 $\frac{1}{16}$
	39	9 $\frac{7}{8}$	8	$\frac{1}{2}$	5 $\frac{1}{16}$
	45	10 $\frac{1}{8}$	8	$\frac{5}{8}$	$\frac{3}{8}$

WIDE FLANGE & H BEAM

SECTION NUMBER		POUNDS PER FOOT	DEPTH OF SECTION	FLANGE		WEB THICKNESS
				WIDTH	THICKNESS	
W10	x	49	10	10	$\frac{9}{16}$	$\frac{5}{16}$
		54	$10\frac{1}{8}$	10	$\frac{5}{8}$	$\frac{3}{8}$
		60	$10\frac{1}{4}$	$10\frac{1}{8}$	$\frac{11}{16}$	$\frac{7}{16}$
		68	$10\frac{3}{8}$	$10\frac{1}{8}$	$\frac{3}{4}$	$\frac{1}{2}$
		77	$10\frac{5}{8}$	$10\frac{1}{4}$	$\frac{7}{8}$	$\frac{1}{2}$
		88	$10\frac{7}{8}$	$10\frac{1}{4}$	1	$\frac{5}{8}$
		100	$11\frac{1}{8}$	$10\frac{3}{8}$	$\frac{1}{8}$	$\frac{11}{16}$
		112	$11\frac{3}{8}$	$10\frac{3}{8}$	$1\frac{1}{4}$	$\frac{3}{4}$
W12	x	14	$11\frac{7}{8}$	4	$\frac{1}{4}$	$\frac{3}{16}$
		16	12	4	$\frac{1}{4}$	$\frac{1}{4}$
		19	$12\frac{1}{8}$	4	$\frac{3}{8}$	$\frac{1}{4}$
		22	$12\frac{1}{4}$	4	$\frac{7}{16}$	$\frac{1}{4}$
W12	x	26	$12\frac{1}{4}$	$6\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{4}$
		30	$12\frac{3}{8}$	$6\frac{1}{2}$	$\frac{7}{16}$	$\frac{1}{4}$
		35	$12\frac{1}{2}$	$6\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{16}$
W12	x	40	12	8	$\frac{1}{2}$	$\frac{5}{16}$
		45	12	8	$\frac{9}{16}$	$\frac{5}{16}$
		50	$12\frac{1}{4}$	$8\frac{1}{8}$	$\frac{5}{8}$	$\frac{3}{8}$
W12	x	53	12	10	$\frac{9}{16}$	$\frac{3}{8}$
		58	$12\frac{1}{4}$	10	$\frac{5}{8}$	$\frac{3}{8}$
W12	x	65	$12\frac{1}{8}$	12	$\frac{5}{8}$	$\frac{3}{8}$
		72	$12\frac{1}{4}$	12	$\frac{11}{16}$	$\frac{7}{16}$
W12	x	79	$12\frac{3}{8}$	$12\frac{1}{8}$	$\frac{3}{4}$	$\frac{1}{2}$
		87	$12\frac{1}{2}$	$12\frac{1}{8}$	$\frac{13}{16}$	$\frac{1}{2}$
		96	$12\frac{3}{4}$	$12\frac{1}{8}$	$\frac{7}{8}$	$\frac{9}{16}$
W12	x	106	$12\frac{7}{8}$	$12\frac{1}{4}$	1	$\frac{5}{8}$
		120	$13\frac{1}{8}$	$12\frac{3}{8}$	$\frac{1}{8}$	$\frac{11}{16}$
		136	$13\frac{3}{8}$	$12\frac{3}{8}$	$1\frac{1}{4}$	$\frac{13}{16}$
W14	x	22	$13\frac{3}{4}$	5	$\frac{5}{16}$	$\frac{1}{4}$
		26	$13\frac{1}{8}$	5	$\frac{7}{16}$	$\frac{1}{4}$
W14	x	30	$13\frac{7}{8}$	$6\frac{3}{4}$	$\frac{3}{8}$	$\frac{1}{4}$
		34	14	$6\frac{3}{4}$	$\frac{7}{16}$	$\frac{5}{16}$
		38	$14\frac{1}{8}$	$6\frac{3}{4}$	$\frac{1}{2}$	$\frac{5}{16}$
W14	x	43	$13\frac{5}{8}$	8	$\frac{1}{2}$	$\frac{5}{16}$
		48	$13\frac{3}{4}$	8	$\frac{5}{8}$	$\frac{5}{16}$
		53	$13\frac{1}{8}$	8	$\frac{11}{16}$	$\frac{3}{8}$
W14	x	61	$13\frac{7}{8}$	10	$\frac{5}{8}$	$\frac{3}{8}$
		68	14	10	$\frac{3}{4}$	$\frac{7}{16}$
		74	$14\frac{1}{8}$	$10\frac{1}{8}$	$\frac{13}{16}$	$\frac{7}{16}$
		82	$14\frac{1}{4}$	$10\frac{1}{8}$	$\frac{7}{8}$	$\frac{1}{2}$
W14	x	90	14	$14\frac{1}{2}$	$\frac{11}{16}$	$\frac{7}{16}$
		99	$14\frac{1}{4}$	$14\frac{5}{8}$	$\frac{3}{4}$	$\frac{1}{2}$
W14	x	109	$14\frac{3}{8}$	$14\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{2}$
		120	$14\frac{1}{2}$	$14\frac{5}{8}$	$\frac{15}{16}$	$\frac{9}{16}$
		132	$14\frac{5}{8}$	$14\frac{3}{4}$	1	$\frac{5}{8}$

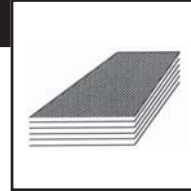
800 - 331 - 4766

WIDE FLANGE & H BEAM

SECTION NUMBER		POUNDS PER FOOT	DEPTH OF SECTION	FLANGE		WEB THICKNESS
				WIDTH	THICKNESS	
W14	x	145	14 ³ / ₄	15 ¹ / ₂	1 ¹ / ₁₆	1 ¹ / ₁₆
		159	15	15 ⁵ / ₈	1 ³ / ₁₆	3 ³ / ₄
		176	15 ¹ / ₄	15 ⁵ / ₈	1 ⁵ / ₁₆	1 ³ / ₁₆
		193	15 ¹ / ₂	15 ³ / ₄	1 ⁷ / ₁₆	7 ⁷ / ₈
W16	x	26	15 ³ / ₄	5 ¹ / ₂	3 ³ / ₈	1 ¹ / ₄
		31	15 ⁷ / ₈	5 ¹ / ₂	7 ⁷ / ₁₆	1 ¹ / ₄
W16	x	36	15 ⁷ / ₈	7	7 ⁷ / ₁₆	5 ⁵ / ₁₆
		40	16	7	1 ¹ / ₂	5 ⁵ / ₁₆
		45	16 ¹ / ₈	7	9 ⁹ / ₁₆	3 ³ / ₈
		50	16 ¹ / ₄	7 ¹ / ₈	5 ⁵ / ₈	3 ³ / ₈
		57	16 ³ / ₈	7 ¹ / ₈	11 ¹¹ / ₁₆	7 ⁷ / ₁₆
W16	x	67	16 ³ / ₈	10 ¹ / ₄	11 ¹¹ / ₁₆	3 ³ / ₈
		77	16 ¹ / ₂	10 ¹ / ₄	3 ³ / ₄	7 ⁷ / ₁₆
		89	16 ¹ / ₄	10 ³ / ₈	7 ⁷ / ₈	1 ¹ / ₂
		100	17	10 ³ / ₈	1	9 ⁹ / ₁₆
W18	x	35	17 ³ / ₄	6	7 ⁷ / ₁₆	5 ⁵ / ₁₆
		40	17 ⁷ / ₈	6	1 ¹ / ₂	5 ⁵ / ₁₆
		46	18	6	5 ⁵ / ₈	3 ³ / ₈
W18	x	50	18	7 ¹ / ₂	9 ⁹ / ₁₆	3 ³ / ₈
		55	18 ¹ / ₈	7 ¹ / ₂	5 ⁵ / ₈	3 ³ / ₈
		60	18 ¹ / ₄	7 ¹ / ₂	11 ¹¹ / ₁₆	7 ⁷ / ₁₆
		65	18 ³ / ₈	7 ⁵ / ₈	3 ³ / ₄	7 ⁷ / ₁₆
		71	18 ¹ / ₂	7 ⁵ / ₈	13 ¹³ / ₁₆	1 ¹ / ₂
W18	x	76	18 ¹ / ₄	11	11 ¹¹ / ₁₆	7 ⁷ / ₁₆
		86	18 ³ / ₈	11 ¹ / ₈	3 ³ / ₄	1 ¹ / ₂
		97	18 ⁵ / ₈	11 ¹ / ₈	7 ⁷ / ₈	9 ⁹ / ₁₆
		106	18 ³ / ₄	11 ¹ / ₄	15 ¹⁵ / ₁₆	9 ⁹ / ₁₆
		119	19	11 ¹ / ₄	1 ¹⁵ / ₁₆	5 ⁵ / ₈
W21	x	44	20 ⁵ / ₈	6 ¹ / ₂	7 ⁷ / ₁₆	3 ³ / ₈
		50	20 ⁷ / ₈	6 ¹ / ₂	9 ⁹ / ₁₆	3 ³ / ₈
		57	21	6 ¹ / ₂	5 ⁵ / ₈	3 ³ / ₈
W21	x	62	21	8 ¹ / ₄	5 ⁵ / ₈	3 ³ / ₈
		68	21 ¹ / ₈	8 ¹ / ₄	11 ¹¹ / ₁₆	7 ⁷ / ₁₆
		73	21 ¹ / ₄	8 ¹ / ₄	3 ³ / ₄	7 ⁷ / ₁₆
		83	21 ³ / ₈	8 ³ / ₈	13 ¹³ / ₁₆	1 ¹ / ₂
		93	21 ⁵ / ₈	8 ³ / ₈	15 ¹⁵ / ₁₆	9 ⁹ / ₁₆
W21	x	101	21 ³ / ₈	12 ¹ / ₄	13 ¹³ / ₁₆	1 ¹ / ₂
		111	21 ¹ / ₂	12 ³ / ₈	7 ⁷ / ₈	9 ⁹ / ₁₆
		122	21 ⁵ / ₈	12 ⁵ / ₈	15 ¹⁵ / ₁₆	5 ⁵ / ₈
		132	21 ⁷ / ₈	12 ¹ / ₂	1 ¹ / ₁₆	5 ⁵ / ₈
		147	22	12 ¹ / ₂	1 ¹ / ₈	3 ³ / ₄
W24	x	55	23 ⁵ / ₈	7	1 ¹ / ₂	3 ³ / ₈
		62	23 ³ / ₄	7	9 ⁹ / ₁₆	7 ⁷ / ₁₆
W24	x	68	23 ³ / ₄	9	9 ⁹ / ₁₆	7 ⁷ / ₁₆
		76	23 ⁷ / ₈	9	11 ¹¹ / ₁₆	7 ⁷ / ₁₆
		84	24 ¹ / ₈	9	3 ³ / ₄	1 ¹ / ₂
		94	24 ¹ / ₄	9 ¹ / ₈	7 ⁷ / ₈	1 ¹ / ₂

SHEET - Hot Rolled

- STOCK SIZES (Inches):
 WIDTHS - 48, 60 & 72
 LENGTHS: 96, 120, 144, & 240

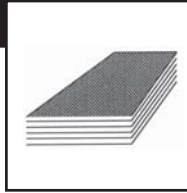


SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
16 Ga. (.0598) 2.5 LBS per sq. ft.		12 Ga. (.1046) 4.375 LBS per sq. ft.		72 x 96	270.0
36 x 96	60.0	36 x 96	105.0	120	337.5
120	75.0	120	131.3	144	405.0
144	90.0	144	157.5	9 Ga. (.1495) 6.25 LBS per sq. ft.	
48 x 96		48 x 96		48 x 96	200.0
120	80.0	120	140.0	120	250.0
144	100.0	144	175.0	144	300.0
60 x 96		60 x 96		60 x 96	250.0
120	100.0	120	175.0	120	312.5
144	125.0	144	218.8	144	375.0
14 Ga. (.0747) 3.125 LBS per sq. ft.		72 x 96	210.0	8 Ga. (.1644) 6.875 LBS per sq. ft.	
36 x 96	75.0	120	262.5	48 x 96	220.0
120	93.8	144	315.0	120	275.0
144	112.5	11 Ga. (.1196) 5.0 LBS per sq. ft.		144	330.0
48 x 96		48 x 96	160.0	60 x 96	275.0
120	100.0	120	200.0	120	343.8
144	125.0	144	240.0	144	412.5
60 x 96		60 x 96	200.0	7 Ga. (.1793) 7.5 LBS per sq. ft.	
120	125.0	120	250.0	36 x 96	180.0
144	156.3	144	300.0	120	225.0
72 x 96		10 Ga. (.1345) 5.625 LBS per sq. ft.		144	270.0
120	150.0	36 x 96	135.0	48 x 96	240.0
144	187.5	120	168.8	120	300.0
13 Ga. (.0897) 3.75 LBS per sq. ft.		144	202.5	144	360.0
48 x 96	120.0	48 x 96	180.0	60 x 96	300.0
120	150.0	120	225.0	120	375.0
144	180.0	144	270.0	144	450.0
60 x 96		60 x 96	225.0	72 x 96	360.0
120	150.0	120	281.3	120	450.0
144	187.5	144	337.5	144	540.0
144	225.0				

559 - 485 - 3900

SHEET - Galvanized

- STOCK SIZE: 48 in x 120 in
call for availability



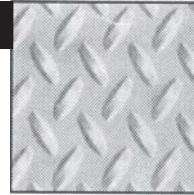
SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
20 Ga. (.040) 1.656 LBS per sq. ft.		16 Ga. (.064) 2.656 LBS per sq. ft.		12 Ga. (.109) 4.531 LBS per sq. ft.	
36 x 96	39.8	36 x 96	63.8	36 x 96	108.8
120	49.7	120	79.7	120	135.9
144	59.6	144	157.5	144	163.1
48 x 96	53.0	48 x 96	85.2	48 x 96	145.0
120	66.2	120	106.0	120	181.2
144	79.5	144	127.4	144	217.5
18 Ga. (.052) 2.126 LBS per sq. ft.		14 Ga. (.079) 3.281 LBS per sq. ft.		10 Ga. (.138) 5.781 LBS per sq. ft.	
36 x 96	51.8	48 x 96	78.8	36 x 96	138.8
120	64.7	120	98.4	120	173.4
144	77.6	144	118.2	144	208.0
48 x 96	69.0	48 x 96	105.0	48 x 96	185.0
120	86.2	120	131.2	120	231.2
144	103.4	144	157.5	144	277.4

SHEET - Cold Rolled

SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
26 Ga. (.0179) .75 LBS per sq. ft.		20 Ga. (.0359) 1.5 LBS per sq. ft.		14 Ga. (.0747) 4.375 LBS per sq. ft.	
36 x 96	18.0	36 x 96	36.0	36 x 96	75.0
120	22.5	120	45.0	120	93.8
48 x 96	24.0	48 x 96	48.0	48 x 96	100.0
120	30.0	120	60.0	120	125.0
24 Ga. (.0239) 1.0 LBS per sq. ft.		18 Ga. (.0478) 2.01 LBS per sq. ft.		12 Ga. (.1046) 3.125 LBS per sq. ft.	
36 x 96	24.0	36 x 96	48.0	36 x 96	105.0
120	30.0	120	60.0	120	131.3
48 x 96	32.0	48 x 96	64.0	48 x 96	140.0
120	40.0	120	80.0	120	175.0
22 Ga. (.0299) 1.25 LBS per sq. ft.		16 Ga. (.0598) 2.5 LBS per sq. ft.		10 Ga. (.1345) 5.625 LBS per sq. ft.	
36 x 96	30.0	36 x 96	60.0	36 x 96	135.0
120	37.5	120	75.0	120	168.8
48 x 96	40.0	48 x 96	80.0	48 x 96	180.0
120	50.0	120	100.0	120	225.0

FLOOR PLATE

• RAISED DIAMOND PATTERN



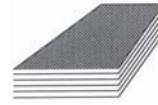
SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
14 Ga. 3.75 LBS per sq. ft.		48 x 96	278.4	³/₈ INCH 16.35 LBS per sq. ft.	
		120	348.0	36 x 96	392.4
		144	417.6	120	490.5
36 x 96	90.0	60 x 96	348.0	144	588.6
120	112.5	120	435.0	48 x 96	523.2
144	135.0	144	522.0	120	654.0
48 x 96	120.0	72 x 96	417.6	144	784.8
120	150.0	120	522.0	60 x 96	654.0
144	180.0	144	626.4	120	817.5
12 Ga. 5.25 LBS per sq. ft.		¹/₄ INCH 11.25 LBS per sq. ft.		144	981.0
36 x 96	126.0	36 x 96	270.0	72 x 96	784.8
120	157.5	120	337.5	120	981.0
144	189.0	144	405.0	144	1177.2
48 x 96	168.0	48 x 96	360.0	¹/₂ INCH 21.45 LBS per sq. ft.	
120	210.0	120	450.0	48 x 96	686.4
144	252.0	144	540.0	120	858.0
60 x 96	210.0	60 x 96	450.0	144	1029.6
120	262.5	120	562.5	60 x 96	858.0
144	315.0	144	675.0	120	1072.5
¹/₈ INCH 6.15 LBS per sq. ft.		72 x 96	540.0	144	1287.0
36 x 96	147.6	120	675.0	72 x 96	1029.6
120	184.5	⁵/₁₆ INCH 13.8 LBS per sq. ft.		120	1287.0
144	221.4	36 x 96	331.2	144	1544.4
48 x 96	196.8	120	414.0	⁵/₈ INCH 26.55 LBS per sq. ft.	
120	246.0	144	496.8	48 x 96	849.6
144	295.2	48 x 96	441.6	120	1062.0
60 x 96	246.0	120	552.0	72 x 96	1274.4
120	307.5	144	662.4	120	1593.0
144	369.0	60 x 96	552.0	³/₄ INCH 31.65 LBS per sq. ft.	
³/₁₆ INCH 8.70 LBS per sq. ft.		120	690.0	60 x 96	1266.0
36 x 96	208.8	144	828.0	144	1899.0
120	261.0	72 x 96	662.4		
144	313.2	120	828.0		

800 - 331 - 4766

PLATE

- A 36 HOT ROLLED
- A572 GRADE 50
- 1045 PLOW
- ABRASION RESISTANT
- T-1

*call for
availability*



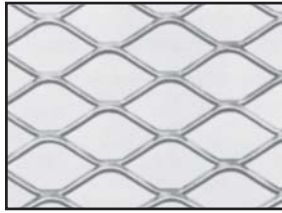
SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
$\frac{3}{16}$ INCH 7.65 LBS per sq. ft.		$\frac{5}{16}$ INCH 12.75 LBS per sq. ft.		$\frac{1}{2}$ INCH 20.4 LBS per sq. ft.	
48 x 96	244.8	36 x 96	306.0	36 x 96	489.6
120	306.0	120	382.5	120	612.0
144	367.2	144	459.0	144	734.4
		240	765.0	240	1224.0
60 x 96	306.0	48 x 96	408.0	48 x 96	652.8
120	382.5	120	510.0	120	816.0
144	459.0	144	612.0	144	979.2
240	765.0	240	1020.0	240	1632.0
72 x 96	367.2	60 x 96	510.0	60 x 96	816.0
120	459.0	120	637.5	120	1020.0
144	550.8	144	765.0	144	1224.0
240	918.0	240	1275.0	240	2040.0
96 x 96	489.6	72 x 96	612.0	72 x 96	979.2
120	612.0	120	765.0	120	1224.0
144	734.4	144	918.0	144	1468.8
240	1224.0	240	1530.0	240	2448.0
$\frac{1}{4}$ INCH 10.2 LBS per sq. ft.		96 x 120	1020.0	96 x 120	1632.0
36 x 96	244.8	144	1224.0	144	1958.4
120	306.0	240	2040.0	240	3264.0
144	367.2	$\frac{3}{8}$ INCH 15.3 LBS per sq. ft.		$\frac{5}{8}$ INCH 25.5 LBS per sq. ft.	
48 x 96	326.4	36 x 96	367.2	48 x 96	816.0
120	408.0	120	459.0	120	1020.0
144	489.6	144	550.8	144	1224.0
240	816.0	240	918.0	240	2040.0
60 x 96	408.0	48 x 96	489.6	60 x 96	1020.0
120	510.0	120	612.0	120	1275.0
144	612.0	144	734.4	144	1530.0
240	1020.0	240	1224.0	240	2550.0
72 x 96	489.6	60 x 96	612.0	72 x 96	1224.0
120	612.0	120	765.0	120	1530.0
144	734.4	144	918.0	144	1836.0
240	1224.0	240	1530.0	240	3060.0
96 x 96	652.8	96 x 96	979.2	96 x 120	2040.0
120	816.0	120	1224.0	240	4080.0
144	979.2	144	1468.8		
240	1632.0	240	2448.0		

PLATE

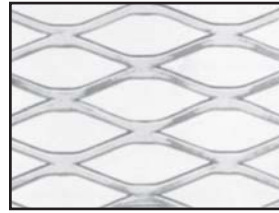
SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
3/4 INCH 30.6 LBS per sq. ft.		1 1/4 INCH 51.0 LBS per sq. ft.		2 INCH 81.6 LBS per sq. ft.	
48 x 96	979.2	48 x 96	1632.0	48 x 96	2611.2
120	1224.0	120	2040.0	120	3264.0
60 x 96	1224.0	60 x 96	2040.0	60 x 96	3264.0
120	1530.0	120	2550.0	240	8160.0
72 x 96	1468.8	72 x 96	2448.0	96 x 240	13056
120	1836.0	120	3060.0		
240	3672.0	240	6120.0	2 1/4 INCH 91.8 LBS per sq. ft.	
96 x 96	1958.4	84 x 240	7140.0		
120	2448.0	96 x 96	3264.0	2 1/2 INCH 102.0 LBS per sq. ft.	
144	2937.6	240	8160.0		
240	4896.0			2 3/4 INCH 112.2 LBS per sq. ft.	
120 x 240	6120.0	1 1/2 INCH 61.2 LBS per sq. ft.			
7/8 INCH 35.7 LBS per sq. ft.		48 x 96	1958.4		
48 x 96	1142.4	120	2448.0	3 INCH 122.4 LBS per sq. ft.	
120	1428.0	60 x 96	2448.0		
60 x 96	1428.0	120	3060.0	3 1/2 INCH 142.8 LBS per sq. ft.	
120	1785.0	240	6120.0		
96 x 240	5712.0	72 x 96	2937.6	4 INCH 163.2 LBS per sq. ft.	
1 INCH 40.8 LBS per sq. ft.		84 x 240	8568.0		
48 x 96	1305.6	96 x 120	4896.0	4 1/2 INCH 183.6 LBS per sq. ft.	
120	1632.0	240	9792.0		
144	1958.4	1 3/4 INCH 71.4 LBS per sq. ft.			
240	3264.0	48 x 96	2284.8		
60 x 96	1632.0	120	2856.0	5 INCH 204.0 LBS per sq. ft.	
120	2040.0	60 x 96	2856.0		
240	4080.0	120	3570.0		
72 x 96	1958.4	240	7160.0		
120	2448.0	72 x 96	3427.2		
240	4896.0	96 x 240	11424.0		
84 x 120	2856.0	<div style="border: 1px solid black; padding: 5px;"> <p>All plate weights are theoretical values, and should be used for estimating only.</p> </div>			
240	5712.0				
96 x 120	3264.0				
240	6528.0	<p>- FOR SIZES NOT SHOWN - CHECK POSSIBILITY OF CUTTING TO SIZE VALLEY IRON PLATE PROCESSING CAPABILITIES HR Plate: Oxy-Fuel Cutting 1/4" thru 12" thickness Plasma Cutting: 1/4" thru 1 1/2" thickness Stainless Plate: 1/4" thru 1 1/4" thickness</p>			
120 x 240	8160.0				

559 - 485 - 3900

EXPANDED METAL/GRATING



Standard



Flattened

STYLE DESIGNATION:

- The first number represents the nominal width of the opening in inches.
- The second number represents the approximate material gage before expanding.

STOCK SIZES: (Inches)

- EXPANDED - 48 x 96, 48 x 120, 60 x 120
 - GRATING - 48 x 96, 48 x 120
 - CATWALK - 24 x 120, 30 x 120, 36 x 120
- Available in steel and galvanized.

STYLE	POUNDS PER 100 SQ. FT.	OPENING SIZE (INCHES)		STRAND SIZE (INCHES)		OVERALL THICK-NESS
		SHORT	LONG	WIDE	THICK	

EXPANDED - STANDARD

1/2 - #16	86	.375	.938	.077	.060	.175
1/2 - #13	147	.312	.938	.096	.092	.204
3/4 - #13	80	.750	1.688	.096	.092	.205
3/4 - #9	180	.688	1.562	.150	.134	.312
1 1/2 - #9	120	1.125	2.375	.144	.134	.312
1 1/2 - #6	250	1.110	2.313	.203	.198	.433

EXPANDED - FLATTENED

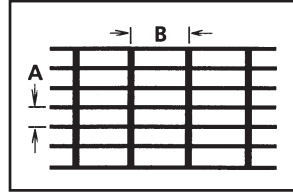
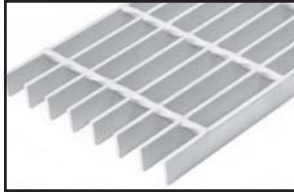
1/4 - #18	108	.075	.715	.080	.040	.040
1/2 - #16	82	.312	1.000	.096	.050	.050
1/2 - #13	140	.265	1.000	.107	.070	.070
3/4 - #16	75	.688	1.781	.078	.106	.078
3/4 - #13	75	.688	1.781	.106	.070	.070
3/4 - #9	171	.563	1.688	.165	.120	.120
1 1/2 - #9	114	1.000	2.563	.158	.110	.110
1 1/2 - #6	220	.975	2.035	.178	.175	.380

GRATING/CATWALK

3.0 LB	300	.940	3.44	.264	.183	.540
3.14 LB	314	1.625	4.88	.312	.250	.656
4.0 LB	400	.940	3.44	.300	.215	.618
4.27 LB	427	1.000	2.88	.300	.250	.625
5.0 LB	500	.813	3.38	.331	.250	.655
6.25 LB	625	.813	3.38	.312	.350	.715

NOTE: All expanded metal dimensions and weights are approximate and subject to mill tolerance.

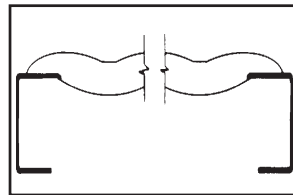
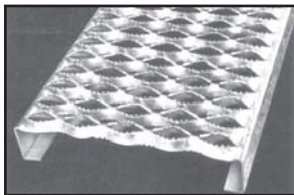
BAR GRATING



- WELDED CONSTRUCTION
 - SMOOTH OR SERRATED
 - FACTORY PRIMERED (BLACK)
- *STOCK SIZE: 3 ft X 24 ft

BEARING BAR SIZE (INCHES)		TYPICAL DIMENSIONS A INCHES B	
$\frac{1}{8}$ x $\frac{3}{4}$	* $\frac{3}{16}$ x 1	$1\frac{3}{16}$	4
$\frac{1}{8}$ x 1	$\frac{3}{16}$ x $1\frac{1}{4}$		
$\frac{1}{8}$ x $1\frac{1}{4}$	$\frac{3}{16}$ x $1\frac{1}{2}$		
$\frac{1}{8}$ x $1\frac{1}{2}$	$\frac{3}{16}$ x $1\frac{3}{4}$		

GRIP STRUT



- 12 GAUGE GALVANIZED STEEL
- SERRATED NON-SLIP SURFACE
- LENGTH: 12 ft • HEIGHT: 2 in
- WIDTHS (inches): $4\frac{3}{4}$, 7, $9\frac{1}{2}$, $11\frac{3}{4}$, $18\frac{3}{4}$, 24

DOOR SCREEN

- $\frac{1}{8}$ - #24 FLAT EXPANDED
- STOCK SIZE: 3 ft x 7 ft
- Available in expanded and perforated patterns

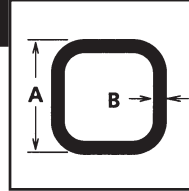


**IDEAL FOR
SECURITY DOORS**

800 - 331 - 4766

SQUARE TUBING

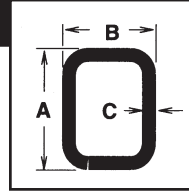
- A 513 (ORNAMENTAL SIZES)
 - A 500 (STRUCTURAL SIZES)
- STOCK LENGTHS: 20, 24, 30, 40 & 48 ft



OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
1/2 x 1/2	.049	.301	3 x 3	.250	8.810
	.065	.385		.313	10.580
5/8 x 5/8	.049	.384	3 1/2 x 3 1/2	.375	12.170
	.065	.495		.120	5.610
3/4 x 3/4	.049	.467		.188	8.150
	.065	.605		.250	10.510
	.072	.650		.312	12.700
	.083	.753		.375	14.720
	.095	.846	4 x 4	.095	5.044
.120	1.028	.120		6.210	
7/8 x 7/8	.065	.716		.188	9.420
				.250	12.210
1 x 1	.049	.634		.312	14.830
	.065	.827	4 1/2 x 4 1/2	.375	17.270
	.072	.900		.500	21.630
	.083	1.035		.188	10.700
	.095	1.169		.250	13.910
1 1/4 x 1 1/4	.120	1.436	5 x 5	.120	7.800
				.188	11.970
	.065	1.047		.250	15.620
	.072	1.200		.312	19.080
	.083	1.317		.375	22.370
1 1/2 x 1 1/2	.095	1.492		.500	28.430
	.120	1.884	6 x 6	.120	9.860
	.188	2.400		.188	14.530
	.065	1.268		.250	19.020
	.072	1.400		.312	23.340
1 3/4 x 1 3/4	.083	1.599		.375	27.480
	.095	1.815		.500	35.240
	.120	2.252		.625	42.260
	.188	3.350	7 x 7	.188	17.080
	.250	4.000		.250	22.420
2 x 2	.065	1.489		.312	27.590
	.072	1.900		.375	32.580
	.083	2.160		.500	42.050
	.095	2.461	8 x 8	.188	19.630
	.120	3.050		.250	25.820
2 1/2 x 2 1/2	.188	4.320		.312	31.840
	.250	5.410		.375	32.580
	.065	1.710		.500	48.850
	.072	1.900		.625	59.320
	.083	2.160	10 x 10	.250	32.630
.095	2.461	.312		40.350	
3 x 3	.120	3.050		.375	47.900
	.188	4.320		.500	48.850
	.250	5.410		.625	76.330
	.095	3.107	12 x 12	.250	39.430
	.120	3.900		.375	58.100
3 1/2 x 3 1/2	.188	5.590		.500	76.070
	.250	7.110		.625	93.250

RECTANGULAR TUBING

- A 513 (ORNAMENTAL SIZES)
 - A 500 (STRUCTURAL SIZES)
- STOCK LENGTHS: 20, 24, 30, 40 & 48 ft



OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	
1/2 x 1	.047	.467	2 x 5	.120	5.610	
	.065	.605		.188	8.150	
1/2 x 1 1/2	.065	.827	2 x 6	.250	10.510	
	3/4 x 1 1/2	.065		.937	.120	6.210
.120		1.640	.188	9.420		
1 x 1 1/2	.065	1.047	.250	12.210		
	.095	1.443	.375	17.270		
	.120	1.844	2 x 8	.188	11.970	
1 x 2	.065	1.268		.250	15.620	
	.083	1.599		.375	22.370	
	.095	1.815	2 x 10	.188	14.53	
.120	2.252	.250		19.02		
.188	3.350	2 x 12		.188	17.08	
1 x 2 1/2	.120		2.660	.250	22.42	
	1 x 3	.065	1.710	3 x 4	.120	5.610
.095		2.461	.188		8.150	
.120		3.050	.250		10.510	
1 1/2 x 2	.065	1.489	.375	14.720		
	.083	1.882	3 x 5	.120	6.210	
	.095	2.138		.188	9.420	
	.120	2.660		.250	12.210	
1 1/2 x 2 1/2	.065	1.710		.375	17.270	
	.083	2.160	3 x 6	.120	7.310	
	.120	3.068		.188	10.700	
	.188	4.32		.250	13.910	
.250	5.41	.313		16.960		
1 1/2 x 3	.065	1.890	.375	19.820		
	.095	2.784	3 x 7	.250	15.62	
	.120	3.480		3 x 8	.188	13.250
	.188	4.960			.250	17.320
2 x 3	.065	2.153			.375	24.930
	.083	2.728	4 x 5		.188	10.700
	.095	3.107		.250	13.910	
	.120	3.900		4 x 6	.188	11.970
	.188	5.590			.250	15.620
.250	7.110	.313			19.080	
2 x 3 1/2	.188	6.870	.375		22.370	
	.250	8.810	.500		28.430	
	2 x 4	.065	2.400	4 x 7	.188	13.250
.083		3.263	.250		17.320	
.095		3.753	.375		24.930	
.120		4.580				
.188		6.870				
.250		8.810				
.313		10.580				
.375	12.170					

559 - 485 - 3900

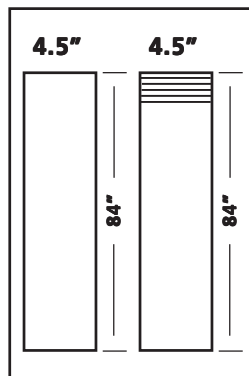
RECTANGULAR TUBING

OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
4 x 8	.188	14.530	6 x 10	.188	19.630
	.250	19.020		.250	25.840
	.313	23.340		.313	31.840
	.375	27.480		.375	37.690
4 x 10	.500	35.240	.500	48.850	6 x 12
	.188	17.080	.188	22.180	
	.250	22.420	.250	29.230	
	.313	27.590	.375	42.790	
4 x 12	.375	32.580	.500	55.660	6 x 14
	.500	42.050	.250	32.63	
	.188	19.630	8 x 10	.250	29.230
	.250	25.820		.375	42.790
5 x 7	.375	37.690	8 x 12	.250	29.230
	.500	48.850		.375	47.900
	.188	14.530	8 x 16	.500	62.460
	.250	19.020		.375	58.10
6 x 8	.312	23.340	.500	76.07	
	.375	35.240			
	.188	17.080			
	.250	22.420			
	.313	27.590			
	.375	32.580			
	.500	42.050			

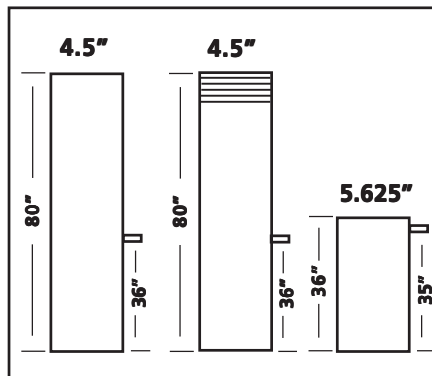
PG&E BARRIER POSTS

- 4" SCH40 GALVANIZED PIPE
- STATIONARY AND REMOVABLE
- PLAIN END AND THREADED
- CAPS AVAILABLE IN PRESS-ON AND THREADED
- ALL SPECS CONFORM TO PG&E REQUIREMENTS

STATIONARY SPECS

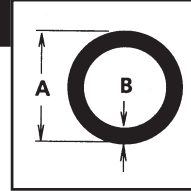


REMOVABLE SPECS



PIPE

- BLACK
 - GALVANIZED
- STOCK LENGTHS: 21, 24 & 40 ft



NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
1/8	40	.405	.269	.068	.24
	80	.405	.215	.095	.31
1/4	40	.540	.364	.088	.42
	80	.540	.302	.119	.54
3/8	40	.675	.493	.091	.57
	80	.675	.423	.126	.74
1/2	40	.840	.622	.109	.85
	80	.840	.546	.147	1.09
	160	.840	.464	.188	1.31
	XXS	.840	.252	.294	1.71
3/4	40	1.050	.824	.113	1.13
	80	1.050	.742	.154	1.47
	160	1.050	.612	.219	1.94
	XXS	1.050	.434	.308	2.44
1	40	1.315	1.049	.133	1.68
	80	1.315	.957	.179	2.17
	160	1.315	.815	.250	2.84
	XXS	1.315	.599	.358	3.66
1 1/4	40	1.660	1.380	.140	2.27
	80	1.660	1.278	.191	3.00
	160	1.660	1.160	.250	3.76
	XXS	1.660	.896	.382	5.21
1 1/2	40	1.900	1.610	.145	2.72
	80	1.900	1.500	.200	3.63
	160	1.900	1.338	.281	4.86
	XXS	1.900	1.100	.400	6.41
2	40	2.375	2.067	.154	3.65
	80	2.375	1.939	.218	5.02
	160	2.375	1.687	.344	7.46
	XXS	2.375	1.503	.436	9.03
2 1/2	40	2.875	2.469	.203	5.79
	80	2.875	2.323	.276	7.66
	160	2.875	2.125	.375	10.01
	XXS	2.875	1.771	.552	13.69
3	40	3.500	3.068	.216	7.58
	80	3.500	2.900	.300	10.25
	160	3.500	2.624	.438	14.32
	XXS	3.500	2.300	.600	18.58

800 - 331 - 4766

PIPE

NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
3 1/2	40	4.000	3.548	.226	9.11
	80	4.000	3.364	.318	12.50
	XXS	4.000	2.728	.636	22.85
4	40	4.500	4.026	.237	10.79
	80	4.500	3.826	.337	14.98
	120	4.500	3.624	.438	19.00
	160	4.500	3.438	.531	22.51
	XXS	4.500	3.152	.674	27.54
5	40	5.563	5.047	.258	14.62
	80	5.563	4.813	.375	20.78
	120	5.563	4.563	.500	27.04
	160	5.563	4.313	.625	32.96
	XXS	5.563	4.063	.750	38.55
6	-	6.625	6.249	.188	12.92
	-	6.625	6.125	.250	17.02
	40	6.625	6.065	.280	18.97
	80	6.625	5.761	.432	28.57
	120	6.625	5.501	.562	36.39
	160	6.625	5.187	.719	45.30
	XXS	6.625	4.897	.864	53.16
8	-	8.625	8.250	.188	16.94
	20	8.625	8.125	.250	22.36
	30	8.625	8.071	.277	24.70
	40	8.625	7.981	.322	28.55
	60	8.625	7.813	.406	35.64
	80	8.625	7.625	.500	43.39
	100	8.625	7.439	.593	50.95
	120	8.625	7.189	.718	60.71
	XXS	8.625	6.875	.875	72.42
	160	8.625	6.813	.906	74.69
10	-	10.750	10.374	.188	21.21
	20	10.750	10.250	.250	28.04
	-	10.750	10.136	.307	34.24
	40	10.750	10.020	.365	40.48
	XS	10.750	9.750	.500	54.74
	80	10.750	9.562	.594	64.43
	100	10.750	9.312	.719	77.03
	120	10.750	9.062	.844	89.29
	140	10.750	8.750	1.000	104.13
	160	10.750	8.500	1.125	115.64
12	10	12.750	12.374	.188	25.22
	20	12.750	12.250	.250	33.38
	STD	12.750	12.000	.375	49.56
	40	12.750	11.938	.406	53.52
	XS	12.750	11.750	.500	65.42
	60	12.750	11.626	.562	73.15
	80	12.750	11.374	.688	88.63
	100	12.750	11.062	.844	107.32
	120	12.750	10.750	1.000	125.49
	140	12.750	10.500	1.125	139.67
	160	12.750	10.126	1.312	160.27

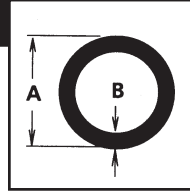
PIPE

NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
14	-	14.00	13.624	.188	27.73
	10	14.00	13.500	.250	36.71
	20	14.00	13.376	.312	45.61
	STD	14.00	13.250	.375	54.57
	40	14.00	13.124	.438	63.44
	XS	14.00	13.000	.500	72.09
	60	14.00	12.812	.594	85.05
	80	14.00	12.500	.750	106.13
	100	14.00	12.124	.938	130.85
	120	14.00	11.812	1.094	150.79
140	14.00	11.500	1.250	170.21	
16	-	16.00	15.624	.188	31.75
	10	16.00	15.500	.250	42.05
	20	16.00	15.376	.312	52.27
	STD	16.00	15.250	.375	62.58
	XS	16.00	15.000	.500	82.77
	60	16.00	14.688	.656	107.50
	80	16.00	14.312	.844	136.61
	100	16.00	13.938	1.031	164.82
	120	16.00	13.562	1.129	192.43
	18	-	18.00	17.750	.188	35.67
10		18.00	17.500	.250	47.39
STD		18.00	17.250	.375	70.59
XS		18.00	17.000	.500	93.45
40		18.00	16.876	.562	104.67
60		18.00	16.500	.750	138.17
80		18.00	16.124	.938	170.92
100		18.00	15.688	1.156	207.96
120		18.00	15.250	1.375	244.14
20		-	20.00	19.750	.188	39.68
	10	20.00	19.500	.250	52.73
	STD	20.00	19.250	.375	78.60
	XS	20.00	19.000	.500	104.13
	40	20.00	18.812	.594	123.11
	60	20.00	18.376	.812	166.40
	80	20.00	17.938	1.031	208.87
	100	20.00	17.438	1.281	256.10
	120	20.00	17.000	1.500	296.37
	22	10	22.00	21.500	.250	58.07
STD		22.00	21.250	.375	86.61
XS		22.00	21.000	.500	114.81
-		22.00	20.500	.750	170.21
-		22.00	20.000	1.000	224.28
80		22.00	19.750	1.125	250.81
100		22.00	19.250	1.375	302.88
24	10	24.00	23.500	.250	63.41
	STD	24.00	23.250	.375	94.62
	XS	24.00	23.000	.500	125.49
	40	24.00	22.624	.688	171.29
	60	24.00	22.064	.968	238.38
	80	24.00	21.562	1.219	296.58
	100	24.00	20.938	1.531	367.39

559 - 485 - 3900

ROUND TUBING

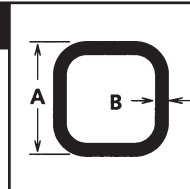
- A 513 HOT ROLLED ELECTRIC WELD
- STOCK LENGTH: 20 ft



O.D. INCHES	THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT	O.D. INCHES	THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT
1/2	.049	.402	.236	1 3/4	.065	1.620	1.170
	.065	.370	.302		.095	1.560	1.679
	.095	.310	.411		.120	1.510	2.089
5/8	.049	.527	.301	2	.065	1.870	1.343
	.065	.495	.389		.095	1.810	1.933
	.095	.435	.538		.120	1.760	2.409
3/4	.049	.652	.367	2 1/8	.065	1.995	1.430
	.065	.620	.476		.095	1.935	2.060
	.083	.591	.591		.120	1.885	2.570
	.095	.560	.665	2 1/4	.065	2.120	1.517
.120	.510	.807	.095		2.060	2.186	
7/8	.065	.745	.562		.120	2.010	2.730
	.083	.702	.702	2 1/2	.065	2.370	1.690
	.095	.685	.791		.095	2.310	2.440
1	.065	.870	.649		.120	2.226	3.050
	.083	.813	.813	.188	2.125	4.642	
	.095	.810	.918	2 3/4	.065	2.620	1.864
	.120	.760	1.128		.095	2.310	2.694
1 1/8	.065	.995	.736		.120	2.226	3.371
	.095	.935	1.045	.188	2.375	5.144	
	.120	.885	1.288	3	.065	2.870	2.037
1 1/4	.065	1.120	.823		.095	2.810	2.947
	.095	1.065	1.172		.120	2.760	3.691
	.120	1.010	1.448		.188	2.625	5.646
1 1/2	.065	1.370	.996	.250	2.500	7.434	
	.095	1.310	1.426				
	.120	1.260	1.769				

RECEIVER TUBE

- 2.53 x 2.53 x .238 in
- ASTM A 500 - GRADE B
- FLASH REMOVED
- STOCK LENGTH: 20 ft



7.21 LBS per ft

STAINLESS STEEL

Non-Hardening, Chrome Nickel Steels

Common Grades

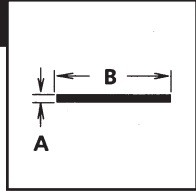
- 303** A free machining version of 304 with only slightly less corrosion resistance and physical properties.
- 304** The most popular type of stainless, exhibiting good corrosion resistance, formability, and ease of welding by all common methods.
- 304L** Lower carbon version of 304. Used to minimize carbide precipitation during welding. Physical properties somewhat less than 304.
- 310** Heat resistant. Good resistance to thermal fatigue due to cyclic heating; resists scaling up to 2050°F.
- 316** Superior corrosion resistance and higher strength at elevated temperatures than 304. Frequently used in marine applications. Resistant to creep at high temperatures.
- 316L** Lower carbon version of 316. Used to minimize carbide precipitation during welding.
- 321** Stabilized for use as a substitute to post-weld annealing process. Corrosion resistance similar to 304.

Sheet & Plates Finishes

- No. 1 (HRAP)** Hot-rolled, annealed, and descaled. Generally used in applications in which resistance to corrosion and heat is more important than smoothness or finish appearance.
- No. 2B** Annealed, descaled and cold-rolled with a bright finish. Commonly used for all but difficult deep drawing applications. This finish is more readily polished than No. 1.
- No. 4** General purpose, polished finish one side. Widely used in applications requiring a superior cosmetic finish, such as restaurant and kitchen equipment, dairy equipment, etc.
- No. 8** The most reflective finish commonly available. Surface is essentially free of grit lines from preliminary grinding operations. Commonly used for press plates, as well as small mirrors and reflectors.

STRIP

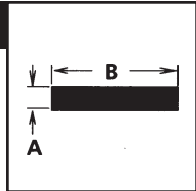
- TYPE 304
HRAP/GAUER
STOCK LENGTH: 12 ft
ASTM A-240



SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
1/8 x 1/2	.213	2.56	3/16 x 1/2	.319	3.83
3/4	.319	3.83	3/4	.478	5.74
1	.425	5.10	1	.638	7.66
1 1/4	.531	6.37	1 1/4	.797	9.56
1 1/2	.638	7.66	1 1/2	.956	11.47
2	.850	10.20	2	1.280	15.36
2 1/2	1.060	12.72	2 1/2	1.590	19.08
3	1.280	15.36	3	1.910	22.92
4	1.700	20.40	4	2.550	30.60
5	2.130	25.56	5	3.190	38.28
6	2.550	30.72	6	3.825	45.90

FLAT BAR

- TYPE 304
HRAP/GAUER/TRUE
STOCK LENGTH: Random 12 ft
ASTM A-240

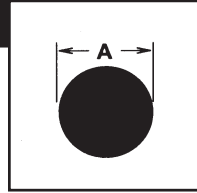


SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
1/4 x 1/2	.425	5.10	3	3.825	45.90
3/4	.638	7.65	4	5.100	61.20
1	.850	10.20	5	6.375	76.50
1 1/4	1.063	12.76	6	7.650	91.80
1 1/2	1.275	15.30	8	10.200	122.40
1 3/4	1.488	17.86	10	12.750	153.00
2	1.700	20.40	12	15.300	183.60
2 1/2	2.125	25.50	1/2 x 3/4	1.275	15.30
3	2.550	30.60	1	1.700	20.40
4	3.400	40.80	1 1/4	2.125	25.50
5	4.250	51.00	1 1/2	2.550	30.60
6	5.100	61.20	1 3/4	2.975	35.70
8	6.800	81.60	2	3.400	40.80
10	8.500	102.00	2 1/2	4.250	51.00
12	10.200	122.40	3	5.100	61.20
3/8 x 1/2	.638	7.66	4	6.800	81.60
3/4	.956	11.47	5	8.500	102.00
1	1.275	15.30	6	10.200	122.40
1 1/4	1.594	19.13	8	13.600	163.20
1 1/2	1.913	22.96	10	17.000	204.00
2	2.550	30.60	12	20.400	244.80
2 1/2	3.188	38.26			

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ROUND BAR

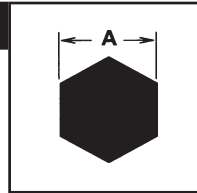
- TYPE 304, 316 & 303, 416
PSQ T416 20 ft
BQ T304 12 ft
STOCK LENGTH: Random 12 ft
QQ-S-763 / ASTM-A-276



SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
1/8	.042	.50	1 1/16	6.520	78.24
3/16	.094	1.13	1 5/8	7.051	84.61
1/4	.167	2.00	1 3/4	8.178	98.14
5/16	.261	3.13	1 7/8	9.388	112.66
3/8	.376	4.51	1 5/16	10.020	120.24
7/16	.511	6.13	2	10.681	128.17
1/2	.668	8.02	2 3/16	12.780	153.40
9/16	.845	10.14	2 1/4	13.520	162.20
5/8	1.043	12.52	2 3/8	15.060	180.72
11/16	1.260	15.12	2 1/2	16.690	200.28
3/4	1.502	18.02	2 3/4	20.200	242.40
13/16	1.760	21.12	2 5/16	23.040	276.48
7/8	2.044	24.53	3	24.033	288.40
15/16	2.350	28.20	3 1/4	28.210	338.50
1	2.670	32.04	3 1/2	32.712	392.54
1 1/8	3.380	40.56	3 3/4	37.550	450.60
1 3/16	3.766	45.19	4	42.726	512.71
1 1/4	4.172	50.06	4 1/4	48.233	578.80
1 5/16	4.600	55.20	4 1/2	54.075	648.90
1 3/8	5.049	60.59	5	66.759	801.11
1 7/16	5.518	66.22	6	96.133	1153.60
1 1/2	6.008	72.10			

HEXAGONAL BAR

- TYPE 304, 303
STOCK LENGTH: Random 12 ft
QQ-S-763

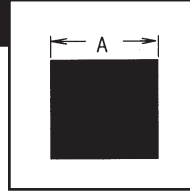


SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
1/4	.184	2.21	3/4	1.656	19.87
5/16	.288	3.46	7/8	2.254	27.05
3/8	.414	4.97	1 5/16	2.588	31.06
7/16	.564	6.77	1	2.944	35.33
1/2	.736	8.83	1 1/4	4.601	55.21
9/16	.932	11.18	1 1/2	6.626	79.51
5/8	1.150	13.80	2	11.780	141.36
11/16	1.392	16.70			

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SQUARE BAR

- TYPE 304
STOCK LENGTH: Random 12 ft
QQ-S-763

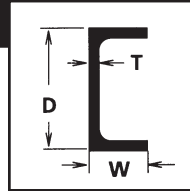


SIZE Inches	WEIGHT - POUNDS Per Foot	WEIGHT - POUNDS 12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	WEIGHT - POUNDS 12 ft
1/8	.053	.64	3/4	1.913	22.96
3/16	.120	1.44	7/8	2.600	31.20
1/4	.213	2.56	1	3.400	40.80
5/16	.332	3.98	1 1/4	5.310	51.68
3/8	.478	5.74	1 1/8	4.307	63.72
7/16	.651	7.81	1 3/8	6.428	77.14
1/2	.850	10.20	1 1/2	7.650	91.80
9/16	1.076	12.91	1 3/4	10.410	124.92
5/8	1.328	15.94	2	13.600	163.20
			2 1/2	21.270	255.24

STAINLESS

CHANNEL

- TYPE 304
HRAP
STOCK LENGTH: Random 20 ft
ASTM A-479

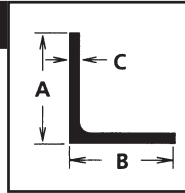


SIZE - INCHES			WEIGHT - POUNDS	
D	W	T	Per Foot	20 ft
1 1/2	x 3/4	x 1/8	1.20	24.00
2	x 1	x 1/8	1.53	30.60
2	x 1	x 3/16	2.65	53.00
2	x 1	x 1/4	3.00	60.00
3	x 1 3/8	x 3/16	3.53	70.60
3	x 1 1/2	x 3/16	4.01	80.20
3	x 1.41	x .17	4.10	82.00
3	x 1 1/2	x 1/4	4.79	95.80
4	x 1.58	x .184	5.40	108.00
4	x 1 3/4	x 1/4	6.16	123.20
4	x 2	x 1/4	6.58	131.60
5	x 2 3/4	x .190	6.70	134.00
5	x 2 1/2	x 1/4	8.00	160.00
6	x 1.92	x .200	8.20	164.00
6	x 3	x 1/4	10.10	202.00
6	x 3	x 3/8	14.80	296.00
8	x 4	x 3/8	20.00	400.00

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ANGLE

- TYPE 304
HRAP
STOCK LENGTH: Random 20 ft.
ASTM A-479



SIZE - INCHES			WEIGHT-POUNDS		SIZE - INCHES			WEIGHT-POUNDS	
A	B	C	Per Foot	20 ft	A	B	C	Per Foot	20 ft
3/4	x 3/4	x 1/8	.59	11.8	3	x 2	x 3/16	3.14	62.8
1	x 1	x 1/8	.81	16.2	3	x 3	x 3/16	4.10	82.0
		3/16	1.16	23.2			x 1/4	4.99	99.8
		1/4	1.50	30.0			x 5/16	6.10	122.0
1 1/4	x 1 1/4	x 1/8	1.03	20.6			x 3/8	7.26	145.2
		3/16	1.48	29.6			x 1/2	9.45	189.0
		1/4	1.92	38.4					
1 1/2	x 1 1/2	x 1/8	1.25	25.0	3 1/2	x 3 1/2	x 1/4	5.88	117.6
		3/16	1.80	36.0	4	x 3	x 1/4	5.80	116.0
		1/4	2.35	47.0			x 3/8	8.50	170.0
2	x 2	x 1/8	1.73	34.6	4	x 4	x 1/4	6.75	135.0
		3/16	2.49	49.8			x 3/8	9.88	197.6
		1/4	3.23	64.6			x 1/2	12.90	258.0
		3/8	4.70	94.0					
2 1/2	x 2 1/2	x 3/16	3.16	63.2	5	x 3	x 3/8	10.01	200.20
		1/4	4.13	82.6	5	x 5	x 3/8	12.30	246.0
		3/8	5.97	119.4					

TYPICAL MECHANICAL PROPERTIES

GRADE	TENSILE STRENGTH (psi)	MACHINABILITY RATING (CD 1112=100%)	HARDNESS
303 Annealed Bar	85,000	75%	165 BHN
303 C.D. Bar	100,000	....	205 BHN
304 C.R. Sheet	85,000	45%	165 BHN
316 Annealed Bar	82,000	45%	165 BHN
316 C.D. Bar	85,000	....	....
321 Annealed Bar	85,000	45%	150 BHN
321 C.D. Bar	97,000	45%	255 BHN
321 C.R. Sheet	90,000	....	....

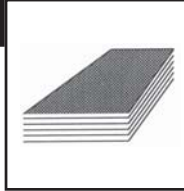
THEORETICAL WEIGHTS

For Nickel Stainless Sheets - 300 series - 42.0 lbs per sq. ft. per inch of thickness
For Chromium Stainless Sheets - 400 series - 42.2 lbs per sq. ft. per inch of thickness

800 - 331 - 4766

SHEET & PLATE

- TYPE 304
SHEET - No. 2B finish & No. 4 polished
#8 Mirror
PLATE - No. 1 finish
QQ-S-766 / ASTM-A-240



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SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
24 Ga. (.024) 1.008 LBS per sq. ft.		14 Ga. (.075) 3.150 LBS per sq. ft.		³/₁₆ INCH 8.579 LBS per sq. ft.	
48 x 96	32.26	48 x 96	100.80	48 x 96	274.53
120	40.32	120	126.00	120	343.16
144	48.38	144	151.20	144	411.79
22 Ga. (.030) 1.260 LBS per sq. ft.		60 x 120 157.50 144 189.00		60 x 120 428.95 144 514.74	
48 x 96	40.32	12 Ga. (.105) 4.410 LBS per sq. ft.		¹/₄ INCH 11.162 LBS per sq. ft.	
120	50.40	48 x 96	141.12	48 x 96	357.18
144	60.48	120	176.40	120	446.48
20 Ga. (.036) 1.512 LBS per sq. ft.		144	211.68	144	535.78
48 x 96	48.38	60 x 120 220.50 144 264.60		60 x 120 558.10 144 669.72	
120	60.48	11 Ga. (.120) 5.040 LBS per sq. ft.		⁵/₁₆ INCH 13.746 LBS per sq. ft.	
144	72.58	48 x 96	161.28	48 x 96	439.87
18 Ga. (.048) 2.016 LBS per sq. ft.		120	201.60	120	549.84
48 x 96	64.51	144	241.92	144	659.81
120	80.64	60 x 120 252.00 144 302.40		60 x 120 687.30 144 824.76	
144	96.77	10 Ga. (.135) 5.670 LBS per sq. ft.		³/₈ INCH 16.496 LBS per sq. ft.	
16 Ga. (.060) 2.520 LBS per sq. ft.		48 x 96	181.44	48 x 96	527.87
48 x 96	80.64	120	226.80	120	659.84
120	100.80	144	272.16	144	791.81
144	120.96	60 x 120 283.50 144 340.20		¹/₂ INCH 21.663 LBS per sq. ft.	
60 x 120 126.00 144 151.20		7 Ga. (.187) 7.854 LBS per sq. ft.		48 x 96 693.22 120 866.52 144 1039.82	
		48 x 96	251.33		
		120	314.16		
		60 x 120 392.70 144 471.24			

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FLOOR PLATE

- TYPE 304
HRAP
Raised Diamonds, Pattern B
ASTM-A-240, MIL-F-20138



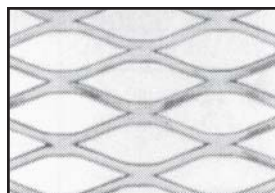
SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
1/8 INCH 6.15 LBS per sq. ft.		3/16 INCH 8.70 LBS per sq. ft.		1/4 INCH 11.25 LBS per sq. ft.	
48 x 96	196.8	48 x 96	278.4	48 x 96	360.0
120	246.0	120	348.0	120	450.0
144	295.2	144	417.6	144	540.0
60 x 96	246.0	60 x 96	348.0	60 x 96	450.0
120	307.5	120	435.0	120	562.5
144	369.0	144	522.0	144	675.0

EXPANDED METAL

- TYPE 304

STYLE DESIGNATION:

- The first number represents the nominal width of the opening in inches.
- The second number represents the approximate material gage before expanding.



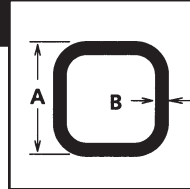
Flattened

STYLE	POUNDS PER 100 SQ. FT.	OPENING SIZE (INCHES)		STRAND SIZE (INCHES)		% OPEN AREA
		SHORT	LONG	WIDE	THICK	
1/2 - #18	70	.312	1.000	.099	.040	58
1/2 - #16	88	.312	1.000	.099	.050	54
1/2 - #13	178	.250	1.000	.099	.080	54
3/4 - #18	48	.750	1.812	.128	.040	76
3/4 - #16	59	.750	1.812	.126	.050	73
3/4 - #13	88	.625	1.750	.120	.080	72
3/4 - #9	197	.625	1.625	.170	.130	65
1 1/2 - #16	43	1.065	2.750	.128	.050	81
1 1/2 - #13	68	1.000	2.625	.126	.080	75
1 1/2 - #9	135	1.000	2.500	.170	.130	72

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SQUARE TUBING

- TYPE 304
MILL FINISH
STOCK LENGTH: Random 20 ft
ASTM-A-A554



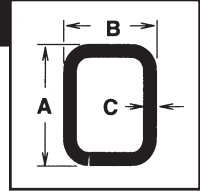
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OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
1/2 x 1/2	.065	.339	3 x 3	.065	2.594
				.083	3.292
				.120	4.700
5/8 x 5/8	.065	.495		.188	6.903
				.250	8.953
3/4 x 3/4	.065	.606	3 1/2 x 3 1/2	.120	5.610
				.188	8.150
				.250	11.347
1 x 1	.065	.826	4 x 4	.120	6.260
	.083	1.035		.188	9.320
	.120	1.436		.250	12.683
1 1/4 x 1 1/4	.065	1.047		.312	15.540
	.083	1.317		.375	18.680
	.120	1.844			
1 1/2 x 1 1/2	.065	1.299	5 x 5	.188	12.400
	.083	1.600		.250	16.370
	.120	2.522		.312	24.491
	.188	3.350		.375	29.094
1 3/4 x 1 3/4	.065	1.600	6 x 6	.188	14.350
	.083	2.022		.250	19.600
	.120	2.864		.312	24.491
2 x 2	.065	1.710		.375	29.094
	.083	2.163	7 x 7	.188	17.080
	.120	3.067		.250	23.129
.188	4.455	.375		34.193	
	.250	6.007	8 x 8	.188	19.235
2 1/2 x 2 1/2	.065	2.152		.250	26.529
	.083	2.728		.375	39.293
	.120	3.884	10 x 10	.188	24.130
.188	5.679	.250		33.327	
.250	7.343	.375		49.490	

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RECTANGULAR TUBING

- TYPE 304
MILL FINISH
STOCK LENGTH: Random 20 ft
ASTM-A-A554



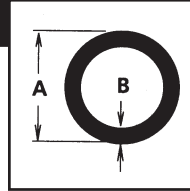
OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
½ x 1	.065	.605	2 x 5	.120	5.928
				.188	8.739
½ x ½	.065	.826		.250	11.347
¾ x 1½	.065	.937	2 x 6	.120	6.313
				.188	9.270
1 x 1½	.065	1.047		.250	12.683
		1.884		.375	18.680
1 x 2	.065	1.268	3 x 4	.120	5.610
	.083	1.599		.188	8.150
	.120	2.252		.250	11.347
1 x 3	.065	1.710	3 x 5	.188	9.270
	.120	3.068		.250	12.683
				.375	18.680
1½ x 2	.065	1.490	3 x 6	.120	7.310
	.120	2.660		.188	10.580
1½ x 3	.065	1.931		.250	13.730
	.120	3.476		.375	21.660
2 x 3	.065	2.152	4 x 6	.188	12.400
	.120	3.884		.250	15.070
	.188	5.679		.375	23.995
	.250	7.342			
2 x 4	.065	2.152	4 x 8	.188	14.330
	.120	4.700		.250	19.600
	.188	6.903		.375	29.094
	.250	8.935	5 x 7	.188	14.330
		.250		19.600	
			.375	29.094	
			6 x 8	.188	16.253
				.250	23.129
				.375	31.193

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PIPE

- TYPE 304
STOCK LENGTH: Random 20 ft

ASTM-A312



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NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
1/8	5	-	-	-	-
	10	.405	.307	.049	.186
	40	.405	.269	.068	.245
	80	.405	.215	.095	.314
1/4	5	-	-	-	-
	10	.540	.407	.065	.324
	40	.540	.364	.088	.425
	80	.540	.302	.119	.537
3/8	5	-	-	-	-
	10	.675	.545	.065	.423
	40	.675	.493	.091	.568
	80	.675	.423	.126	.738
1/2	5	.840	.710	.065	.538
	10	.840	.674	.083	.671
	40	.840	.622	.109	.851
	80	.840	.546	.147	1.088
3/4	5	1.050	.920	.065	.684
	10	1.050	.884	.083	.857
	40	1.050	.824	.113	1.131
	80	1.050	.742	.154	1.474
1	5	1.315	1.185	.065	.867
	10	1.315	1.097	.109	1.404
	40	1.315	1.049	.133	1.680
	80	1.315	.957	.179	2.172
1 1/4	5	1.660	1.530	.065	1.107
	10	1.660	1.442	.109	1.806
	40	1.660	1.380	.140	2.273
	80	1.660	1.278	.191	2.997
1 1/2	5	1.900	1.770	.065	1.274
	10	1.900	1.682	.109	2.085
	40	1.900	1.610	.145	2.718
	80	1.900	1.500	.200	3.631
2	5	2.375	2.245	.065	1.604
	10	2.375	2.157	.109	2.638
	40	2.375	2.067	.154	3.653
	80	2.375	1.939	.218	5.022

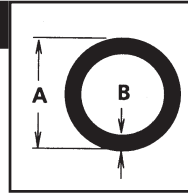
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PIPE

NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
2½	5	2.875	2.709	.083	2.475
	10	2.875	2.635	.120	3.531
	40	2.875	2.469	.203	5.793
	80	2.875	2.323	.276	7.661
3	5	3.500	3.334	.083	3.029
	10	3.500	3.260	.120	4.332
	40	3.500	3.068	.216	7.576
	80	3.500	2.900	.300	10.250
3½	5	4.000	3.834	.083	3.472
	10	4.000	3.760	.120	4.973
	40	4.000	3.548	.226	9.109
	80	4.000	3.364	.318	12.500
4	5	4.500	4.334	.083	3.915
	10	4.500	4.260	.120	5.613
	40	4.500	4.026	.237	10.790
	80	4.500	3.826	.337	14.980
5	5	5.563	5.345	.109	6.349
	10	5.563	5.295	.134	7.770
	40	5.563	5.047	.258	14.620
	80	5.563	4.813	.375	20.780
6	5	6.625	6.407	.109	7.585
	10	6.625	6.357	.134	9.289
	40	6.625	6.065	.280	18.970
	80	6.625	5.761	.432	28.570
8	5	8.625	8.407	.109	9.914
	10	8.625	8.329	.148	13.400
	40	8.625	7.981	.322	28.550
	80	8.625	7.625	.500	43.390
10	5	10.750	10.482	.134	15.190
	10	10.750	10.420	.165	18.650
	40	10.750	10.020	.365	40.480
	80	10.750	9.750	.500	54.740
12	5	12.75	12.438	.156	20.980
	10	12.75	12.390	.180	24.160
	40	12.75	12.000	.375	49.560
	80	12.75	11.750	.500	65.420

ROUND TUBING

- TYPE 304
STOCK LENGTHS: Random 20 ft
MILL FINISH AND 180 GRIT AVAILABLE
ASTM A269, A246



S T A I N L E S S

O.D. INCHES	THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT	O.D. INCHES	THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT	
1/4	.035	.180	.080	1 1/4	.065	1.120	.823	
	.049	.152	.105		.120	1.010	1.448	
	.065	.120	.128					
3/8	.035	.305	.127	1 1/2	.049	1.402	.759	
	.049	.277	.171		.065	1.370	.996	
	.065	.245	.215		.120	1.260	1.769	
1/2	.035	.430	.174	1 3/4	.065	1.620	1.170	
	.049	.402	.236		2	.065	1.870	1.343
	.065	.370	.302			.120	1.760	2.409
3/4	.035	.680	.267	2 1/2	.065	2.370	1.690	
	.049	.652	.367		.120	2.226	3.050	
	.065	.620	.476	3	.065	2.870	2.037	
	.120	.510	.807		.120	2.760	3.691	
1	.049	.902	.498					
	.065	.870	.649					
	.095	.810	.918					
	.120	.760	1.128					



ALUMINUM

Common Grades

- 3003** This grade is alloyed with 1.2% manganese to provide a tensile strength range of 17,000 to 30,000 p.s.i. Excellent workability and corrosion resistance. Used for drawing, spinning, fuel tanks, sheet metal work and other applications where slightly higher strength than 1100 is required. Non-heat treatable.
- 5052** This grade is alloyed with 0.8% magnesium. Tensile strength range is 31,000 to 44,000 p.s.i. Very good corrosion resistance, good workability, weldability and strength. Used for aircraft fuel tanks, storm shutters, utensils, electronic mounting plates, etc. Non-heat treatable.
- 6061** This grade is alloyed with 0.8% magnesium and 0.6% silicon. Tensile strength range is 20,000 to 42,000 p.s.i., weldability and corrosion resistance. Used for engineering and structural applications, furniture, boats, transportation equipment, etc. Heat treatable.

Common Temper Designations

The first digit following the **H** indicates the specific combination of basic operations, as follows:

- H1** Strain-hardened only.
- H2** Strain-hardened and partially annealed.
- H3** Strain-hardened and stabilized.

The first digit following the **T** indicates specific sequences of basic treatments, as follows:

- T4** Solution heat-treated and naturally aged to substantially stable condition.
- T6** Solution heat-treated and artificially aged.

The following additional digits have been assigned for stress-relieved tempers of wrought products:

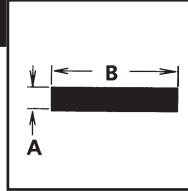
- T51** Stress relieved. Applies to plate and rolled or cold finished rod and bar when stretched after solution heat treatment, or after cooling from an elevated temperature shaping process. No further straightening after stretching.
- T510** Stress relieved. Applies to extruded bar, rod, shapes and tube when stretched after solution heat treatment, or after cooling from an elevated temperature shaping process. No further straightening after stretching.
- T511** Stress relieved. Applies to extruded bar, rod, shapes and tube when stretched after solution heat treatment, or after cooling from an elevated temperature shaping process. May receive minor straightening after stretching to comply with standard tolerances.

RECTANGULAR BAR

- 6061-T6, 6061-T6511

STOCK LENGTH: 12 ft

Federal specification QQ A200/8/Extruded/ASTM B221



A L U M I N I U M

SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
$1/8 \times 1/2$	.074	0.89	$3/8 \times 1/2$	.221	2.65
$3/8$	.092	1.10	$3/4$	.331	3.97
$3/4$	.110	1.32	1	.441	5.29
1	.147	1.76	$1 1/4$	.551	6.61
$1 1/4$	.184	2.21	$1 1/2$	.661	7.93
$1 1/2$	.221	2.65	2	.882	10.58
$1 3/4$	.257	3.08	$2 1/2$	1.103	13.24
2	.294	3.53	3	1.323	15.88
$2 1/2$	.368	4.42	4	1.764	21.17
3	.441	5.29	6	2.646	31.75
4	.588	7.06	$1/2 \times 3/4$	.441	5.29
6	.882	10.58	1	.588	7.06
$3/16 \times 3/4$	.165	1.98	$1 1/4$	.735	8.82
1	.221	2.65	$1 1/2$	.882	10.58
$1 1/4$	.276	3.31	$1 3/4$	1.029	12.35
$1 1/2$	.331	3.97	2	1.176	14.11
2	.441	5.29	$2 1/2$	1.470	17.64
3	.662	7.94	3	1.764	21.17
$1/4 \times 1/2$	.147	1.76	4	2.352	28.22
$3/4$	.221	2.65	5	2.940	35.28
1	.294	3.53	6	3.528	42.34
$1 1/4$	.368	4.42	$5/8 \times 3/4$	.551	6.61
$1 1/2$	.441	5.29	1	.735	8.82
$1 3/4$	.515	6.18	$1 1/4$	.919	11.03
2	.588	7.06	$1 1/2$	1.103	13.24
$2 1/2$	.735	8.82	2	1.470	17.64
3	.882	10.58	3	2.205	26.46
$3 1/2$	1.029	12.35	$3/4 \times 1$	.882	10.58
4	1.176	14.11	$1 1/4$	1.103	13.24
5	1.470	17.64	$1 1/2$	1.323	15.88
6	1.764	21.17	$1 3/4$	1.764	21.17
$5/16 \times 3/4$	.276	3.31	2	2.205	26.46
1	.368	4.42	$2 1/2$	2.646	31.75
$1 1/4$.459	5.51	3	3.087	37.04
$1 1/2$.551	6.61	4	3.528	42.34
2	.735	8.82	5	4.410	52.92
			6	5.292	63.50

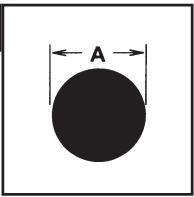
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RECTANGULAR BAR

SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS			
	Per Foot	12 ft		Per Foot	12 ft		
1 x 1¼	1¼	1.470	17.64	1½ x 2	3.528	42.34	
	1½	1.764	21.17		2½	4.410	52.92
	2	2.352	28.22		3	5.292	63.50
	2½	2.940	35.28		4	7.056	84.67
	3	3.528	42.34		6	10.584	127.01
	4	4.704	56.45				
1½ x 1½	1½	2.205	26.46	2 x 2½	5.880	70.56	
	2	2.940	35.28		3	7.056	84.67
	2½	3.675	44.10		4	9.408	112.90
	3	4.410	52.92	3 x 4	14.112	169.34	
	4	5.880	70.56		5	17.640	211.68

ROUND BAR

- 6061-T6, 6061-T651, 6061-T6511
- STOCK LENGTH: 12 ft (except sizes listed "RL" for random length)
 Federal specification QQ A200/8/Cold Finished/ASTM B221
 Federal specification QQ A200/8/Extruded/ASTM B221



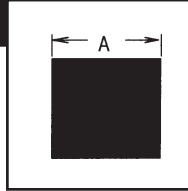
SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	12 ft		Per Foot	12 ft
1/8	.014	.17	1¾	2.829	33.95
3/16	.033	.40	1 ¹³ / ₁₆	3.034	36.41
¼	.058	.70	1 ⁷ / ₈	3.247	38.96
5/16	.090	1.08	2	3.695	44.34
3/8	.130	1.56	2 ¹ / ₈	4.171	50.05
7/16	.177	2.12	2¼	4.676	56.11
½	.231	2.77	2½	5.773	69.28
9/16	.292	3.50	2 ⁵ / ₈	6.364	76.37
5/8	.361	4.33	2¾	6.985	83.82
¾	.520	6.24	3	8.313	99.76
7/8	.707	8.48	3¼	9.776	117.31
1	.924	11.09	3½	11.315	135.78
1 ¹ / ₈	1.169	14.03	3 ⁵ / ₈	12.152	145.82
1¼	1.443	17.32	3¾	12.989	155.87
1 ⁵ / ₁₆	1.591	19.09	4	14.778	177.34
1 ³ / ₈	1.746	20.95	4¼	16.683	200.20
1 ⁷ / ₁₆	1.909	22.91	4½	18.704	244.45
1½	2.078	24.94	5	23.901	R/L
1 ⁵ / ₈	2.439	29.27	5½	27.940	R/L
			6	33.251	R/L

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SQUARE BAR

- 6061-T6
STOCK LENGTH: 12 ft

Federal specification QQ A200/8/Extruded/ASTM B221

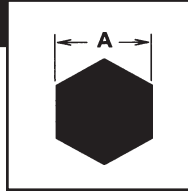


SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft		SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft	
$\frac{3}{8}$	.165	1.98	2	4.704	56.45
$\frac{1}{2}$	.294	3.53	$2\frac{1}{4}$	5.954	71.45
$\frac{3}{4}$	.662	7.94	$2\frac{1}{2}$	7.350	88.20
1	1.176	14.11	3	10.584	127.01
$1\frac{1}{4}$	1.838	22.06	$3\frac{1}{4}$	12.422	149.06
$1\frac{1}{2}$	2.646	31.75	$3\frac{1}{2}$	14.406	172.87
$1\frac{3}{4}$	3.602	43.22	4	18.816	225.79

HEXAGONAL BAR

- 6061-T6, 6061-T651, 6061-T6511
STOCK LENGTH: 12 ft

Federal specification QQ A200/8/Cold Finished/ASTM B221
Federal specification QQ A200/8/Extruded/ASTM B221



SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft		SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft	
$\frac{1}{4}$	.063	.76	1	1.018	12.22
$\frac{5}{16}$	.099	1.19	$1\frac{1}{4}$	1.591	19.09
$\frac{3}{8}$	.143	1.72	$1\frac{1}{2}$	2.291	27.49
$\frac{1}{2}$	.254	3.05	$1\frac{3}{4}$	3.118	37.42
$\frac{5}{8}$	.397	4.76	2	4.074	48.89
$\frac{3}{4}$	.572	6.86			

TYPICAL MECHANICAL PROPERTIES

GRADE	TENSILE STRENGTH (k.s.i.)	YIELD POINT (k.s.i.)	ULTIMATE SHEARING STRENGTH	HARDNESS
6061-T6*	45	40	30	95 BHN
5052-H32	33	28	20	60 BHN
6063-T52	27	21	17	60 BHN
3003-H14	22	21	14	40 BHN

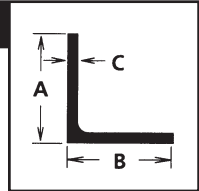
**Also applies to 6061-T651 and 6061-T6511*

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ANGLE

- 6061-T6
STOCK LENGTH: 25 ft.

Federal specification QQ A200/16/Cold Finished/ASTM B308



SIZE - INCHES			WEIGHT-POUNDS		SIZE - INCHES			WEIGHT-POUNDS	
A	B	C	Per Foot	25 ft	A	B	C	Per Foot	25 ft
$\frac{3}{4}$	$\times \frac{3}{4}$	$\times \frac{1}{8}$	.201	5.03	$2\frac{1}{2}$	$\times 1\frac{1}{4}$	$\times \frac{3}{16}$	.797	19.93
1	$\times \frac{3}{4}$	$\times \frac{1}{8}$	.238	5.95	$2\frac{1}{2}$	$\times 1\frac{1}{2}$	$\times \frac{1}{8}$	.577	14.43
1	$\times 1$	$\times \frac{1}{8}$	.275	6.88			$\frac{3}{16}$	.850	21.25
		$\frac{3}{16}$	.400	10.00			$\frac{1}{4}$	1.110	27.75
		$\frac{1}{4}$	.514	12.85	$2\frac{1}{2}$	$\times 2$	$\times \frac{1}{8}$	.652	16.30
$1\frac{1}{4}$	$\times \frac{3}{4}$	$\times \frac{1}{8}$	.272	6.80			$\frac{3}{16}$	.961	24.03
$1\frac{1}{4}$	$\times 1$	$\times \frac{1}{8}$	.314	7.85			$\frac{1}{4}$	1.257	31.43
							$\frac{3}{8}$	1.828	45.70
$1\frac{1}{4}$	$\times 1\frac{1}{4}$	$\times \frac{1}{8}$	.343	8.58	$2\frac{1}{2}$	$\times 2\frac{1}{2}$	$\times \frac{1}{8}$	.724	18.10
		$\frac{3}{16}$	.510	12.75			$\frac{3}{16}$	1.070	26.75
		$\frac{1}{4}$	.656	16.40			$\frac{1}{4}$	1.404	35.10
$1\frac{1}{2}$	$\times \frac{3}{4}$	$\times \frac{1}{8}$	.314	7.85			$\frac{3}{8}$	1.729	43.23
		$\frac{3}{16}$	.454	11.35			$\frac{3}{4}$	2.047	51.18
$1\frac{1}{2}$	$\times 1$	$\times \frac{1}{8}$	.347	8.68	3	$\times 2$	$\times \frac{3}{16}$	1.071	26.78
		$\frac{1}{4}$	.662	16.55			$\frac{1}{4}$	1.403	35.08
							$\frac{3}{8}$	2.046	51.15
$1\frac{1}{2}$	$\times 1\frac{1}{4}$	$\times \frac{1}{8}$	.387	9.68	3	$\times 2\frac{1}{2}$	$\times \frac{1}{4}$	1.537	38.43
		$\frac{3}{16}$	.566	14.15			$\frac{3}{8}$	2.253	56.33
		$\frac{1}{4}$	.734	18.35	3	$\times 3$	$\times \frac{3}{16}$	1.275	31.88
$1\frac{1}{2}$	$\times 1\frac{1}{2}$	$\times \frac{1}{8}$	.423	10.58			$\frac{1}{4}$	1.684	42.10
		$\frac{3}{16}$	.619	15.48			$\frac{5}{16}$	2.082	52.05
		$\frac{1}{4}$	.809	20.23			$\frac{3}{8}$	2.474	61.85
		$\frac{3}{8}$	1.176	29.40			$\frac{1}{2}$	3.227	80.68
$1\frac{3}{4}$	$\times 1\frac{1}{4}$	$\times \frac{1}{8}$	.421	10.53	$3\frac{1}{2}$	$\times 2\frac{1}{2}$	$\times \frac{1}{4}$	1.684	42.10
		$\frac{3}{16}$	.621	15.53			$\frac{3}{8}$	2.474	61.85
		$\frac{1}{4}$	.809	20.23			$\frac{1}{2}$	3.227	80.68
$1\frac{3}{4}$	$\times 1\frac{3}{4}$	$\times \frac{1}{8}$	.497	12.43	$3\frac{1}{2}$	$\times 3$	$\times \frac{1}{4}$	1.842	46.05
		$\frac{3}{16}$	.731	18.28			$\frac{3}{16}$	2.705	67.63
		$\frac{1}{4}$	.956	23.90			$\frac{1}{2}$	3.532	88.30
		$\frac{5}{16}$	1.171	29.28	$3\frac{1}{2}$	$\times 3\frac{1}{2}$	$\times \frac{1}{4}$	1.989	49.73
		$\frac{3}{8}$	1.378	34.45			$\frac{3}{16}$	2.461	61.53
2	$\times 1$	$\times \frac{1}{8}$	.421	10.53			$\frac{1}{4}$	2.926	73.15
							$\frac{3}{8}$	3.826	95.65
2	$\times 1\frac{1}{2}$	$\times \frac{1}{8}$	.496	12.40	4	$\times 2\frac{1}{2}$	$\times \frac{1}{4}$	1.856	46.40
		$\frac{3}{16}$	.731	18.28					
		$\frac{1}{4}$	.956	23.90	4	$\times 3$	$\times \frac{1}{4}$	1.988	49.70
		$\frac{3}{8}$	1.378	34.45			$\frac{3}{8}$	2.926	73.15
2	$\times 2$	$\times \frac{1}{8}$	.577	14.43			$\frac{1}{2}$	3.826	95.65
		$\frac{3}{16}$.850	21.25	4	$\times 3\frac{1}{2}$	$\times \frac{3}{8}$	3.128	78.20
		$\frac{1}{4}$	1.110	27.75			$\frac{1}{2}$	4.102	102.55
		$\frac{5}{16}$	1.364	34.10					
		$\frac{3}{8}$	1.606	40.15					

A L U M I N U M

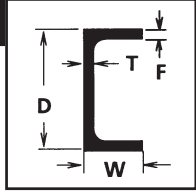
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SIZE - INCHES			WEIGHT-POUNDS		SIZE - INCHES			WEIGHT-POUNDS			
A	B	C	Per Foot	25 ft	A	B	C	Per Foot	25 ft		
4	x 4	x 1/4	2.283	57.08	6	x 3 1/2	x 5/16	3.385	84.63		
		5/16	2.829	70.73			3/8	4.037	100.93		
		3/8	3.366	84.15			1/2	5.306	132.65		
		1/2	4.414	110.35			6	x 4	x 3/8	4.237	105.93
		5/8	5.425	135.63					1/2	5.578	139.45
5	x 3	x 3/8	3.349	83.73	6	x 6	x 3/8	5.119	127.98		
		1/2	4.396	109.90			1/2	6.754	168.85		
5	x 3 1/2	x 3/8	3.582	89.55	6	x 6	5/8	8.352	208.80		
		1/2	4.704	117.60			8	x 6	x 1/2	7.952	198.80
5	x 5	x 3/8	4.237	105.93	8	x 6			3/4	11.679	291.98
		1/2	5.578	139.45			8	x 8	x 1/2	9.141	228.53
									3/4	13.478	336.95

CHANNEL-Aluminum Association

- 6061-T6
- STOCK LENGTH: 25 ft.

Federal specification QQ A200/16/Cold Finished/ASTM B308

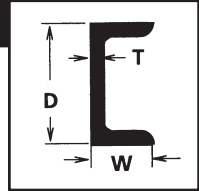


SIZE - INCHES			FLANGE	WEIGHT - POUNDS	
D	W	T	F	Per Foot	25 ft
2	x 1.00	x .13	.13	.577	14.43
2	x 1.25	x .17	.26	1.071	26.78
3	x 1.50	x .13	.20	1.135	28.38
3	x 1.75	x .17	.26	1.597	39.93
4	x 2.00	x .15	.23	1.738	43.45
4	x 2.25	x .19	.29	2.331	58.28
5	x 2.25	x .15	.26	2.212	55.30
5	x 2.75	x .19	.32	3.089	77.23
6	x 2.50	x .17	.29	2.834	70.85
6	x 3.25	x .21	.35	4.030	100.75
7	x 2.75	x .17	.29	3.205	80.13
7	x 3.50	x .21	.38	4.715	117.88
8	x 3.00	x .19	.35	4.147	103.68
8	x 3.75	x .25	.41	5.789	144.73
9	x 3.25	x .23	.35	4.983	124.58
9	x 4.00	x .29	.44	6.970	174.25
10	x 3.50	x .25	.41	6.136	153.40
10	x 4.25	x .31	.50	8.360	209.00
12	x 4.00	x .29	.47	8.274	206.85
12	x 5.08	x .35	.62	11.822	295.55

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CHANNEL - American Standard

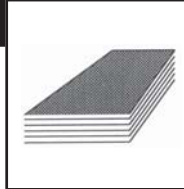
- 6061-T6
STOCK LENGTH: 25 ft
Federal specification QQ A200/16/Cold Finished/ASTM B308



D	SIZE - INCHES			WEIGHT - POUNDS	
	W	T		Per Foot	25 ft
3	x 1.410	x .170		1.417	35.43
3	x 1.498	x .258		1.729	43.23
3	x 1.596	x .356		2.074	51.85
4	x 1.580	x .180		1.846	46.15
4	x 1.647	x .247		2.161	54.03
4	x 1.720	x .320		2.504	62.60
5	x 1.750	x .190		2.316	57.90
5	x 1.885	x .325		3.108	77.70
5	x 2.032	x .432		3.975	99.38
6	x 1.920	x .200		2.826	70.65
6	x 1.945	x .225		3.002	75.05
6	x 2.034	x .314		3.631	90.78
6	x 2.157	x .437		4.498	112.45
7	x 2.110	x .230		3.541	88.53
7	x 2.194	x .314		4.232	105.80
8	x 2.290	x .250		4.252	106.30
8	x 2.343	x .303		4.751	118.78
8	x 2.435	x .395		5.617	140.43
8	x 2.527	x .487		6.484	162.10
9	x 2.430	x .230		4.604	115.10
9	x 2.648	x .448		6.911	172.78
10	x 2.600	x .240		5.278	131.95
10	x 2.739	x .379		6.915	172.88
10	x 2.886	x .526		8.641	216.03
12	x 2.960	x .300		7.411	185.28
12	x 3.047	x .387		8.639	215.98
12	x 3.170	x .510		10.374	259.35
15	x 3.400	x .400		11.708	292.70
15	x 3.716	x .716		17.282	432.05

FLAT SHEET

- 5052-H32 MILL FINISH
Federal specification QQ A-250/11 / ASTM-B209
- 6061-T6 MILL FINISH
Federal specification QQ A-250/11 / ASTM-B209



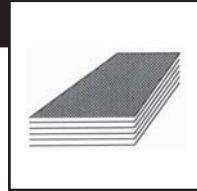
A L U M I N U M

SIZE INCHES	SHEET SIZE INCHES	5052-H32		6061-T6	
		POUNDS PER SQ. FT.	POUNDS PER SHEET	POUNDS PER SQ. FT.	POUNDS PER SHEET
.025	48 x 96	.349	11.17	-	-
	48 x120	.349	13.96	-	-
	48 x144	.349	16.75	-	-
.032	48 x 96	.447	14.30	.452	14.46
	48 x120	.447	17.88	.452	18.08
	48 x144	.447	21.46	.452	21.70
.040	48 x 96	.559	17.89	.565	18.80
	48 x120	.559	22.36	.565	22.60
	48 x144	.559	26.83	.565	27.12
.050	48 x 96	.698	22.34	.706	22.59
	48 x120	.698	27.92	.706	28.24
	48 x144	.698	33.50	.706	33.89
.063	48 x 96	.880	28.16	.889	28.45
	48 x120	.880	35.20	.889	35.56
	48 x144	.880	42.24	.889	42.67
.080	48 x 96	1.117	35.74	1.129	36.13
	48 x120	1.117	44.68	1.129	45.16
	48 x144	1.117	53.62	1.129	54.19
.090	48 x 96	1.257	40.22	1.270	40.64
	48 x120	1.257	50.28	1.270	50.80
	48 x144	1.257	60.34	1.270	60.96
.100	48 x 96	1.397	44.70	1.411	45.15
	48 x120	1.397	55.88	1.411	56.44
	48 x144	1.397	67.06	1.411	67.73
.125	48 x 96	1.746	55.87	1.764	56.45
	48 x120	1.746	69.84	1.764	70.56
	48 x144	1.746	83.81	1.764	84.67
.190	48 x 96	2.654	84.93	2.681	85.79
	48 x120	2.654	106.16	2.681	107.24
	48 x144	2.654	127.39	2.681	128.69

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BARE PLATE

- 5052-H32 MILL FINISH
Federal specification QQ A-250/11 / ASTM-B209
- 6061-T651 MILL FINISH
Federal specification QQ A-250/11 / ASTM-B209



SIZE INCHES	SHEET SIZE INCHES	5052-H32		6061-T651	
		POUNDS PER SQ. FT.	POUNDS PER SHEET	POUNDS PER SQ. FT.	POUNDS PER SHEET
.250	48 x 96	3.492	111.74	3.528	112.90
	48 x 120	3.492	139.68	3.528	141.12
	48 x 144	3.492	167.62	3.528	169.34
.313	48 x 96	-	-	4.417	141.34
	48 x 120	-	-	4.417	176.68
	48 x 144	-	-	4.417	212.02
.375	48 x 96	5.238	167.62	5.292	169.34
	48 x 120	5.238	209.52	5.292	211.68
	48 x 144	5.238	251.42	5.292	254.02
.500	48 x 96	6.984	223.49	7.056	225.79
	48 x 120	6.984	279.36	7.056	282.24
	48 x 144	6.984	335.23	7.056	338.69
.625	48 x 96			8.820	282.24
	48 x 120			8.820	352.80
	48 x 144			8.820	423.36
.750	48 x 96			10.584	338.69
	48 x 120			10.584	423.36
	48 x 144			10.584	508.03
.875	48 x 96			12.348	395.14
	48 x 120			12.348	493.92
	48 x 144			12.348	592.70
1.000	48 x 96			14.112	451.58
	48 x 120			14.112	564.48
	48 x 144			14.112	677.38
1.125	48 x 96			17.640	564.48
	48 x 120			17.640	705.60
	48 x 144			17.640	846.72
1.500	48 x 96			21.168	677.37
	48 x 120			21.168	846.72
	48 x 144			21.168	1016.06
2.000	48 x 96			28.224	903.17
	48 x 120			28.224	1128.96
	48 x 144			28.224	1354.75

800 - 331 - 4766

DIAMOND PLATE

- 3003 BRIGHT FINISH (TREAD BRITE)
- 6061-T6 MILL FINISH (TREAD PLATE)



ALUMINUM

SIZE INCHES	SHEET SIZE INCHES	3003		6061-T6	
		POUNDS PER SQ. FT.	POUNDS PER SHEET	POUNDS PER SQ. FT.	POUNDS PER SHEET
.063	48 x 96	1.125	36.00	-	-
	48 x 120	1.125	45.00	-	-
	48 x 144	1.125	54.00	-	-
.080	48 x 96	1.283	41.06	-	-
	48 x 120	1.283	51.32	-	-
	48 x 144	1.283	61.58	-	-
.090	48 x 96	1.426	45.63	-	-
	48 x 120	1.426	57.04	-	-
	48 x 144	1.426	68.49	-	-
.100	48 x 96	1.568	50.18	1.552	49.66
	48 x 120	1.568	62.72	1.552	62.08
	48 x 144	1.568	75.26	1.552	74.50
.125	48 x 96	1.925	61.60	1.905	60.96
	48 x 120	1.925	77.00	1.905	76.20
	48 x 144	1.925	92.40	1.905	91.44
.188	48 x 96	2.823	90.34	2.794	89.41
	48 x 120	2.823	112.93	2.794	111.76
	48 x 144	2.823	135.50	2.794	134.11
.250	48 x 96			3.669	117.41
	48 x 120			3.669	146.76
	48 x 144			3.669	176.11
.375	48 x 96			5.443	174.18
	48 x 120			5.443	217.72
	48 x 144			5.443	261.26
.500	48 x 96			7.197	230.30
	48 x 120			7.197	287.88
	48 x 144			7.197	345.46

CUSTOM SHEARING

VALLEY IRON INC. can shear plate to your specific requirements* Call with your dimensions today.

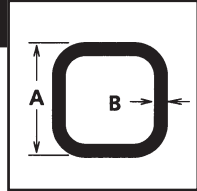
**up to 12' long; 1/4" thick mild, 10 Ga. stainless*

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SQUARE TUBING

- 6063-T52 & 6061-T6
MILL FINISH
STOCK LENGTHS: 21 ft - 1 ft

ASTM-B221

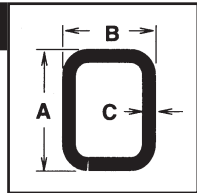


OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
$\frac{3}{4}$ x $\frac{3}{4}$	.065	.199	2 x 2	.120	1.126
	.120	.364		.188	1.640
1 x 1	.065	.280		.250	2.100
	.120	.524	3 x 3	.120	1.730
1 $\frac{1}{4}$ x 1 $\frac{1}{4}$	.120	.674		.250	3.300
1 $\frac{1}{2}$ x 1 $\frac{1}{2}$	.120	.825	4 x 4	.120	2.326
1 $\frac{3}{4}$ x 1 $\frac{3}{4}$	.120	.946		.250	4.500

RECTANGULAR TUBING

- 6063-T52 & 6061-T6
MILL FINISH
STOCK LENGTHS: 21 ft - 1 ft

ASTM-B221

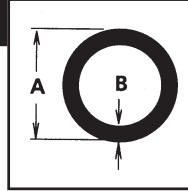


OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
$\frac{1}{2}$ x 1	.120	.374	1 $\frac{3}{4}$ x 3	.120	1.350
			1 $\frac{3}{4}$ x 4	.120	1.650
$\frac{3}{4}$ x 1 $\frac{1}{2}$	.120	.600	1 $\frac{3}{4}$ x 4 $\frac{1}{2}$	.120	1.800
			1 $\frac{3}{4}$ x 5	.120	1.950
1 x 2	.120	.824	2 x 3	.120	1.426
1 x 3	.120	1.126	2 x 4	.120	1.726
1 x 4	.120	1.426	2 x 5	.120	2.025
1 $\frac{1}{2}$ x 2	.120	.974			

559 - 485 - 3900

ROUND TUBING

- 6061-T6
MILL FINISH
STOCK LENGTHS: Random 20 ft
ASTM-8210

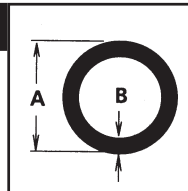


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O.D. INCHES	THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT	O.D. INCHES	THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT
1/2	.065	.370	.105	1 1/2	.065	1.370	.345
	.120	.260	.168		.125	1.250	.648
5/8	.065	.495	.135	1 3/4	.065	1.620	.405
	.125	.375	.231		.125	1.500	.750
3/4	.065	.620	.164	2	.065	1.870	.405
	.125	.500	.289		.125	1.750	.883
1	.065	.870	.219	2 1/2	.125	2.250	1.097
	.125	.750	.404		3	.125	2.750
1 1/4	.065	1.120	.285	4		.065	3.870
	.125	1.000	.530				

PIPE

- 6061-T6
STOCK LENGTH: 20 ft.
ASTM-8210



NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
1/8	40	.405	.269	.068	.085
1/4	40	.540	.364	.088	.147
3/8	40	.675	.493	.091	.196
1/2	40	.840	.622	.109	.294
3/4	40	1.050	.824	.113	.391
	80	1.315	1.049	.133	.581
1	80	1.315	.957	.179	.751

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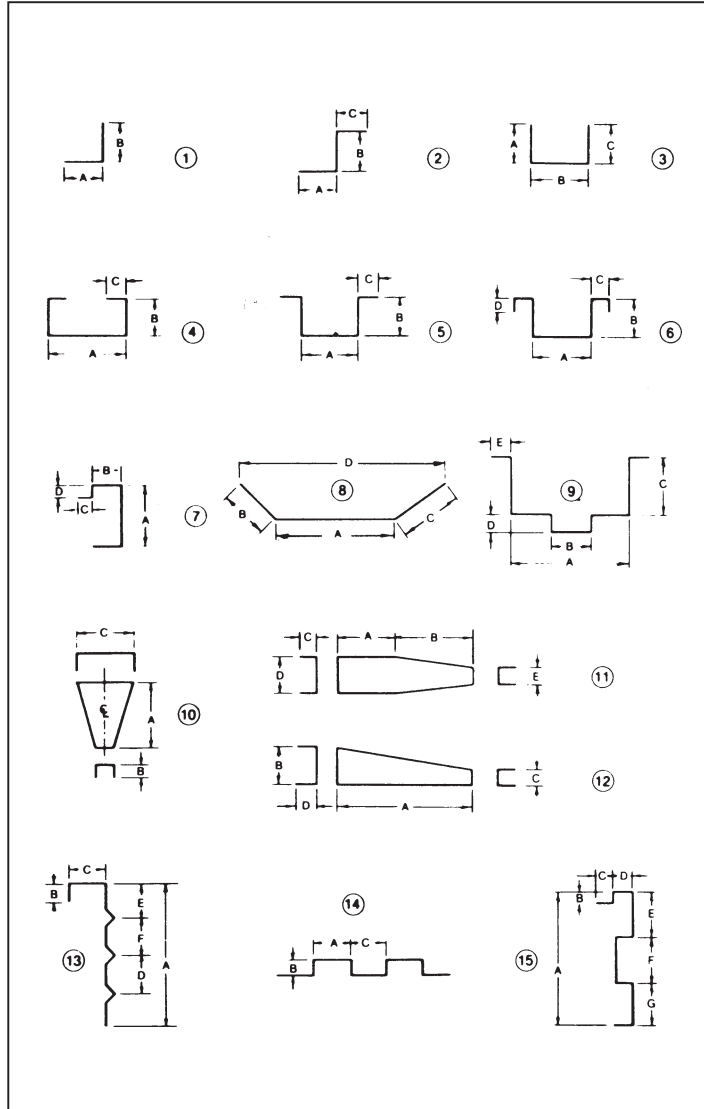
PIPE

NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
1	40	1.315	1.049	.133	.581
	80	1.315	.957	.179	.751
1¼	40	1.660	1.380	.140	.786
	80	1.660	1.278	.191	1.037
1½	40	1.900	1.610	.145	.940
	80	1.900	1.500	.200	1.256
2	40	2.375	2.067	.154	1.264
	80	2.375	1.939	.218	1.737
2½	40	2.875	2.469	.203	2.004
	80	2.875	2.323	.276	2.650
3	40	3.500	3.068	.216	2.621
	80	3.500	2.900	.300	3.547
3½	40	4.000	3.548	.226	3.151
	80	4.000	3.364	.318	

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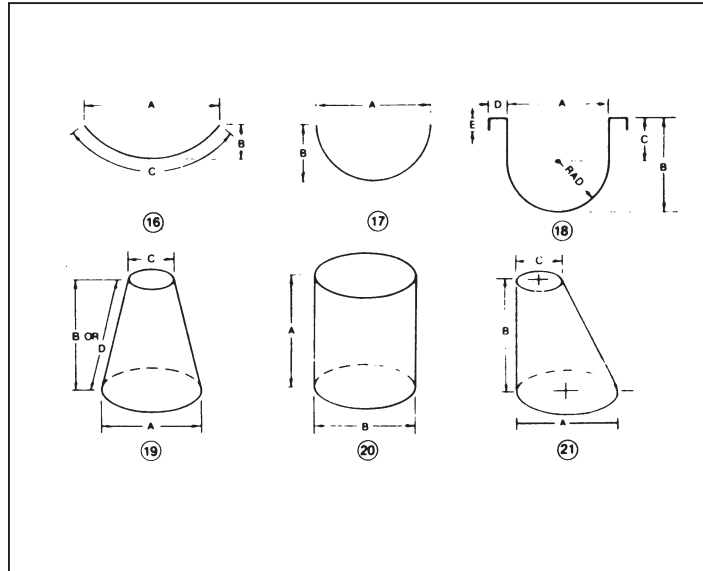
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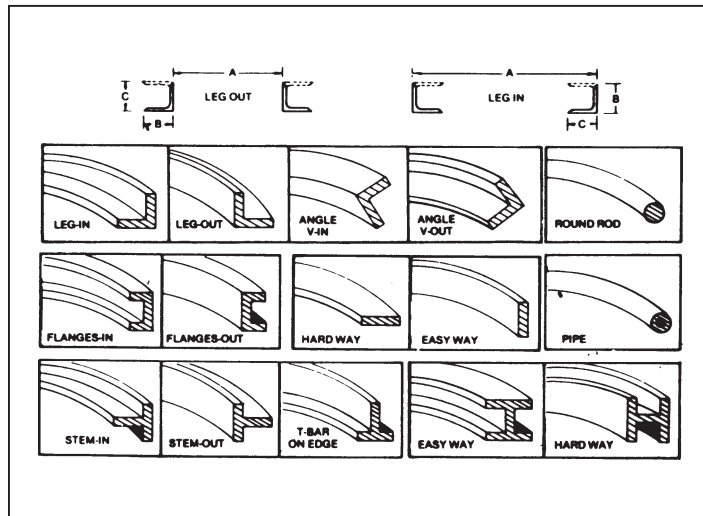
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ROLLED SHAPES

FORMED ROLLED SHAPES



ROLLED SHAPES



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GEOMETRIC FORMULAS

CIRCLE

Circumference: Multiply diameter x 3.1416
(or) Divide diameter by 0.3183

Diameter: Multiply circumference by 0.3183
(or) Divide circumference by 3.1416

Doubling diameter increases area 4 times; tripling diameter increases area 9 times

Radius: Multiply circumference by 0.15915
(or) Divide circumference by 6.28318

Area: Multiply circumference by 1/4 of the diameter
(or) Multiply the square of the diameter by 0.7854
(or) Multiply the square of the radius by 3.1416

SQUARE

Area: Square of side

Diagonal: Multiply side by 1.4142

Side: Multiply diagonal by .7071

SPHERE

Surface Area: Multiply circumference by the diameter
(or) Multiply the square of the diameter by 3.1416
(or) Ascertain the number of cubic inches in piece and multiply same by weight per cubic inch

Volume: Multiply cube of diameter by .5236

CUBE

Surface Area: Multiply square of side by 6

Volume: Cube of side

CYLINDER

Area (curved surface):
Multiply diameter by length by 3.1416

Volume: Multiply square of diameter by length by .7854

CONE

Area (curved surface):
Multiply diameter of base by slant height by 1.5708

Volume: Multiply area of base by 1/3 perpendicular height

U.S. METRIC EQUIVALENTS

	mm	cm	meter	inches	feet	yard
1 inch =	25.4	2.54	0.254	1	.083333	.027778
1 foot =	304.80	30.48	.3048	12	1	.333333
1 yard =	914.4	91.44	.9144	36	3	1
1 mm =	1	.1	.001	.03937	.003281	.001094
1 cm =	10	1	.01	.3937	.032808	.010936
1 meter =	1000	100	1	39.37	3.28083	1.09361

FRACTION/DECIMAL EQUIVALENTS

FRACTION INCH	DECIMAL INCH	FRACTION INCH	DECIMAL INCH
$1/64$	.015625	$33/64$	.515625
$1/32$	.03125	$17/32$	.53125
$3/64$	.046875	$35/64$	.546875
$1/16$	.0625	$9/16$	.5625
$5/64$	.078125	$37/64$	.578125
$3/32$	.09375	$19/32$	.59375
$7/64$	.109375	$39/64$	.609375
$1/8$	.1250	$5/8$	.6250
$9/64$	.140625	$41/64$	.640625
$5/32$	.15625	$21/32$	.65625
$11/64$	.171875	$43/64$	.671875
$3/16$	.1875	$11/16$	.6875
$13/64$	.203125	$45/64$	.703125
$7/32$	.21875	$23/32$	.71875
$15/64$	.234375	$47/64$	.734375
$1/4$	.2500	$3/4$	.7500
$17/64$	.265625	$49/64$	.765625
$9/32$	.28125	$25/32$	.78125
$19/64$	.296875	$51/64$	.796875
$5/16$	.3125	$13/16$	.8125
$21/64$	.328125	$53/64$	.828125
$11/32$	.34375	$27/32$	.84375
$23/64$	.359375	$55/64$	.859375
$3/8$	.3750	$7/8$	.8750
$25/64$	.390625	$57/64$	.890625
$13/32$	.40625	$29/32$	.90625
$27/64$	.421875	$59/64$	.921875
$7/16$	.4375	$15/16$	.9375
$29/64$.453125	$61/64$.953125
$15/32$.46875	$31/32$.96875
$31/64$.484375	$63/64$.984375
$1/2$.5000	1	1.0000

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