



VALLEY IRON INC.

STEEL • PIPE • STAINLESS • ALUMINUM



**STEEL
PIPE
STAINLESS
ALUMINUM**

valleyiron.com
sales@valleyiron.com
800-331-4766



FRESNO

3114 South Cherry Ave.
Fresno, CA 93706

VACAVILLE

797 Elmira Road
Vacaville, CA 95687

800-331-4766
559-485-3900
559-441-0279 fax
sales@valleyiron.com

Monday - Friday: 7:30 a.m. to 5:00 p.m.
Saturday: 7:30 a.m. to Noon (Fresno only)



VALLEY IRON INC.

STEEL • PIPE • STAINLESS • ALUMINUM

Starting in 1958, and under current ownership since 1983, Valley Iron Inc. continues to grow and provide service to all of Central and Northern California.

Valley Iron maintains two strategically located distribution centers in Fresno and Vacaville, California. These two locations enable us to provide timely delivery to our entire service area. Our two locations consist of over 27 acres and 280,000 sq. feet of warehouse space to maintain our diverse inventory and house our value added services.

We offer plate burning (Hi-Definition Plasma and Oxy-Fuel), Waterjet cutting, Beveling, Punching, Drilling, Saw Cutting, and Shearing to make your business more efficient and cost effective.

MISSION STATEMENT

Valley Iron Inc. is a family owned metal service center in Northern California. We strive to be a leader in the industrial metal distribution 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.



In addition to our diverse inventory of carbon steel, stainless steel and aluminum products, Valley Iron Inc. offers the following capabilities to process material to your specifications:

- **Hi-Definition Plasma Cutting**
(Beveling available)
- **Oxy-Fuel Plate Burning**
- **Waterjet Cutting**
- **Punching**
- **Drilling**
- **Shearing**
- **Band saw Cutting** (Miter available)

Table of Contents

H.R./C.R.

BAR - STRIP - FLAT - ROUND

SQUARE - HEX - TUL BAR

Strip.....	1
Flat Bar.....	1, 2
Universal Mill Plate	3
Reinforcing Bars	3
Cold Finish Flat Bar.....	4, 5
Hexagonal Bar	5
Round Bar	6
Square Bar	7
Tul Bar - Solid	7
Tul Bar - Hollow.....	7

ANGLE, CHANNEL AND BEAM

Angle - Bar Sizes.....	9
Angle - Structural.....	10, 11
Channel - Bar Size	12
Channel - Structural.....	12, 13
MC Channel	13, 14
JR Channel & Beam	15
STD I Beam.....	16
Wide Flange & H Beams.....	17, 18, 19

SHEET & PLATE PRODUCTS

Sheet - Hot Rolled	21
Sheet - Galvanized	22
Sheet - Cold Rolled.....	22
Floor Plate.....	23
Plate	24, 25

EXPANDED METAL, GRIP STRUT, GRATING PERFORATED

Expanded Metal/Grating....	27
Expanded - Standard	27
Expanded - Flattened.....	27
Grating/Catwalk	27
Bar Grating	28
Grip Strut	28
Door Screen	28

TUBING STEEL AND PIPE

Square Tubing	29, 30
Rectangular Tubing.....	31, 32, 33
PG&E Barrier Posts.....	33
Pipe	34, 35, 36

Round Tubing.....	37
Receiver Tube	37

STAINLESS

Stainless Steel	39
Strip.....	40
Flat Bar.....	40, 41
Round Bar	42
Hexagonal Bar	42
Square Bar	43
Channel.....	43
Angle.....	44
Sheet Plate.....	45
Plate	46
Floor Plate.....	47
Expanded Metal	47
Square Tubing	48
Rectangular Tubing.....	49
Pipe	50, 51
Round Tubing.....	52

ALUMINUM

Aluminum	53
Rectangular Bar	54, 55
Round Bar	55
Square Bar	56
Hexagonal Bar	56
Angle.....	57
Channel - Aluminum Association.....	58
Channel - American Standard	59
Flat Sheet	60
Plate	61
Diamond Plate.....	62
Square Tubing	63
Rectangular Tubing.....	63
Round Tubing.....	64
Pipe	64, 65
Formed Shapes	66
Rolled Shapes	67
Geometric Formulas.....	68
Fraction/Decimal Equivalents	69

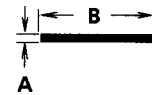
*Our stock book is strictly a reference guide for items commonly used in the metals industry. Valley Iron does not stock all items listed. We can usually source items that are not regularly stocked.



H.R./C.R. BAR
STRIP - FLAT
ROUND - SQUARE
HEX - TUL BAR

STRIP

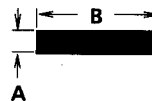
- HOT ROLLED - CARBON STEEL
- STOCK LENGTH: 20 ft



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		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
- 1055 BEVELED EDGE PLOW -selected sizes



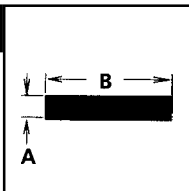
SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	20 ft		Per Foot	20 ft
$\frac{1}{4} \times \frac{1}{2}$	.425	8.50	$\frac{5}{16} \times \frac{1}{2}$	.531	10.62
$\frac{3}{4}$	.638	12.76	$\frac{3}{4}$	.797	15.94
1	.850	17.00	1	1.063	21.26
$1\frac{1}{4}$	1.063	21.26	$1\frac{1}{4}$	1.328	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			

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		
1/4 x 9	7.65	153.0	5/8 x 9	19.13	382.6		
	10	8.50		170.0	21.25	425.0	
	12	10.20		204.0	12	25.50	510.0
5/16 x 9	9.56	191.2	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
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
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

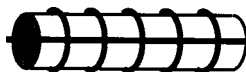
HR Plate: Oxy-Fuel Cutting 1/4" thru 12" thickness

Plasma Cutting: 16ga thru 2"

Waterjet: 10ga thru 8"

REINFORCING BARS

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

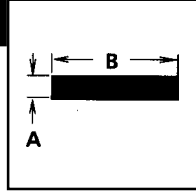


BAR NUMBER DESIGNATION	Inches	Per Foot	WEIGHT - POUNDS	
			20 ft	40 ft
3	3/8	.376	7.52	15.04
4	1/2	.668	13.36	26.72
5	5/8	1.043	20.86	41.72
6	3/4	1.502	30.04	60.08
7	7/8	2.044	40.88	81.76
8	1	2.670	53.80	107.60
9	1 1/8	3.379	67.58	135.16

1-800-331-4766

COLD FINISH FLAT BAR

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



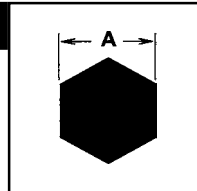
SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS		
	Per Foot	12 ft		Per Foot	12 ft	
$\frac{1}{8}$ x $\frac{1}{2}$	.2127	2.552	$\frac{5}{16}$ x $\frac{3}{4}$	.7976	9.572	
	$\frac{5}{8}$.2659	3.191		1	1.064	12.76
	$\frac{3}{4}$.3191	12.76		$\frac{1}{4}$	1.329	15.95
	1 .4254	5.105		$\frac{1}{2}$	1.595	19.14
	$\frac{1}{4}$.5318	6.381		2	2.127	25.52
	$\frac{1}{2}$.6381	7.657		$\frac{2}{1/2}$	2.659	31.91
	$\frac{3}{4}$.7445	8.933		3	3.191	38.29
	2 .8508	10.21		4	4.254	51.05
	$\frac{2}{1/2}$ 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 $\frac{1}{2}$	.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 $\frac{3}{4}$	.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	$\frac{2}{1/2}$	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 $\frac{3}{8}$	.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	1.489	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		$\frac{2}{1/2}$	3.722	44.667
	$\frac{1}{8}$.9572	11.49	$\frac{1}{2}$ x $\frac{5}{8}$	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
$\frac{2}{1/2}$ 2.127	25.52	$\frac{1}{4}$ 2.127		25.52		
3 2.552	30.63	$\frac{1}{2}$ 2.552		30.63		
$\frac{3}{1/2}$ 2.978	35.73	2		3.403	40.84	
4 3.403	40.84	$\frac{2}{1/2}$		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		

COLD FINISH FLAT BAR

SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft		SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft			
5/8 x	7/8	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
3/4 x	1	2.552	30.63		8	34.03	408.4
	1 1/4	3.191	38.29	10	42.54	510.5	
	1 1/2	3.829	45.94	12	51.05	612.6	
	2	5.105	61.26	1 1/2 x 2	10.21	122.5	
	3	7.657	91.89		2 1/4	11.48	137.8
	4	10.21	122.5		3	15.31	183.8
	5	12.76	153.1		4	20.42	245.0
	6	15.31	183.8		5	25.52	306.3
	8	20.42	245.0		6	30.63	367.5
	9	22.97	275.7	8	40.84	490.1	
	10	25.52	306.3	10	51.05	612.6	
	12	30.63	367.5	12	61.26	735.1	
7/8 x	1	2.978	35.73	2 x 3	20.42	245.0	
	1 1/4	3.722	44.67		4	27.23	326.7
	1 1/2	4.467	53.60		5	34.03	408.4
	2	5.956	71.47		6	40.84	490.1
	3	8.933	107.2		8	54.45	653.4
	4	11.91	142.9		10	68.06	816.8
	6	17.87	214.4		12	81.68	980.1

HEXAGONAL BAR

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

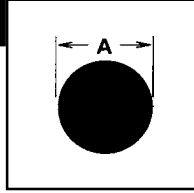


SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft		SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft		
1/4	.1842	2.21	3/4	1.658	19.89	
5/16	.2875	3.45	7/8	2.257	27.08	
3/8	.4145	4.97	1	2.9473	35.36	
* 7/16	.5641	6.76		1 1/4	4.6052	55.26
1/2	.7368	8.84		1 1/2	6.6310	79.57
9/16	.9325	11.19		2	11.79	141.48
5/8	1.151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



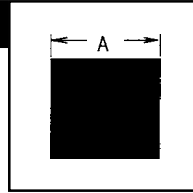
SIZE Inches	WEIGHT - POUNDS Per Foot 20 ft		SIZE Inches	WEIGHT - POUNDS Per Foot 20 ft	
1/8	.042	0.84	2	10.681	213.62
3/16	.094	1.88	2 1/16	11.360	227.20
1/4	.167	3.34	2 1/8	12.058	241.06
5/16	.261	5.22	2 3/16	12.778	255.56
3/8	.376	7.52	2 1/4	13.519	270.38
7/16	.511	10.22	2 5/16	14.280	285.60
1/2	.668	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	2 1/2	16.690	333.80
11/16	1.262	25.24	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	2 3/4	20.195	403.90
15/16	2.347	46.94	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	3	24.033	480.66
1 3/16	3.766	75.32	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 5/16	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 13/16	8.773	175.46	5 1/2	80.778	1615.56
1 7/8	9.388	187.76	6	96.130	1922.60
1 15/16	10.024	200.48			

TYPICAL MECHANICAL PROPERTIES

GRADE	TENSILE STRENGTH (psi)	YIELD POINT (psi)	MACHINABILITY RATING (CD1112=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

SQUARE BAR

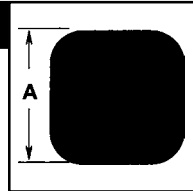
- A 36 HOT ROLLED
STOCK LENGTH: 20 ft
- 1018 COLD FINISHED
STOCK LENGTH: 12 ft



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

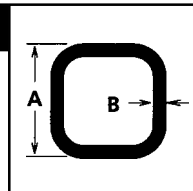
- $2\frac{1}{4}$ INCH SQUARE
- SPECIAL QUALITY
- 1070 HOT ROLLED
STOCK LENGTHS: 21, 28, 32, & 42 ft



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



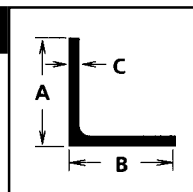
SIZE Inches	Per Foot	WEIGHT - POUNDS			
		21 ft	28 ft	32 ft	42 ft
$2\frac{1}{4}$	6.26	131.46	175.28	200.32	262.92

A close-up photograph of a stack of steel beams. The beams are arranged in a way that shows their cross-sections. The top beam is a channel beam, and the beams below it are angle beams. The steel has a blue-grey patina with some rust and wear, particularly at the edges and corners. The text 'ANGLE CHANNEL BEAM' is overlaid in the center of the image in a bold, white, sans-serif font.

**ANGLE
CHANNEL
BEAM**

ANGLE - Bar Sizes

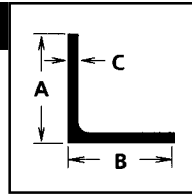
- A 36 HOT ROLLED
STOCK LENGTHS: 20 & 40 ft
30 FT LENGTHS AVAILABLE - *selected sizes*



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

ANGLE - Structural

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



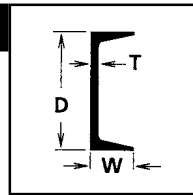
SIZE - INCHES			WEIGHT - POUNDS			
A	B	C	Per Foot	20 ft	30 ft	40 ft
3	x 2	x 3/16	3.07	61	92	123
		1/4	4.10	82	123	164
		5/16	5.00	100	150	200
		3/8	5.90	118	177	236
		1/2	7.70	154	231	308
3	x 2 1/2	x 3/16	3.39	68	102	136
		1/4	4.50	90	135	180
		5/16	5.60	112	168	224
		3/8	6.60	132	198	264
		1/2	8.50	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			WEIGHT - POUNDS			
A	B	C	Per Foot	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
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
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
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
7	x 4	x 1	37.40	748	1122	1496
		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

CHANNEL - Bar Size

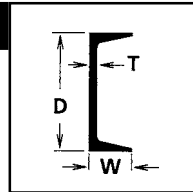
- A 36 HOT ROLLED
STOCK LENGTH: 20 ft



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



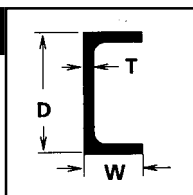
DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
3	3.50	1.375	.135	70	105	140
	4.10	1.410	.170	82	123	164
	5.00	1.498	.258	100	150	200
	6.00	1.596	.356	120	180	240
4	4.50	1.560	.140	90	135	180
	5.40	1.580	.180	108	162	216
	6.25	1.647	.247	125	188	250
	7.25	1.720	.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

MC CHANNEL

- A 36 HOT ROLLED
Call for availability

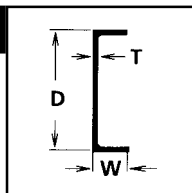


MC-Shapes	D Depth in inches	W Width in inches	T Width in inches	Per Ft.	Weight Lbs.		
					20-Ft.	30-Ft.	40-Ft.
3 x 7.1	3	1.938	.312	7.1	142	213	284
4 x 13.8	4	2.500	.500	13.8	276	414	552
6 x 12	6	2.497	.310	12.0	240	360	480
6 x 15.3	6	3.500	.340	15.3	306	459	612
6 x 16.3	6	3.000	.375	16.3	326	489	652
6 x 18	6	3.504	.379	18.0	360	540	720
7 x 17.6	7	3.000	.375	17.6	352	528	704
7 x 19.1	7	3.452	.352	19.1	382	573	764
7 x 22.7	7	3.603	.503	22.7	454	681	908
8 x 8.5	8	1.875	.188	8.5	170	225	340

MC-Shapes	D Depth in inches	W Width in inches	T Width in inches	Per Ft.	Weight Lbs.		
					20-Ft.	30-Ft.	40-Ft.
8 x 18.7	8	2.978	.353	18.7	374	561	748
8 x 20	8	3.025	.400	20	400	600	800
8 x 21.4	8	3.450	.375	21.4	428	642	856
8 x 22.8	8	3.502	.353	22.8	456	684	912
9 x 23.9	9	3.450	.400	23.9	478	717	956
9 x 25.4	9	3.500	.450	25.4	508	762	1016
10 x 6.5	10	1.125	.150	6.5	130	195	260
10 x 8.4	10	1.500	.170	8.4	168	252	336
10 x 22	10	3.315	.290	22	440	660	880
10 x 25	10	3.405	.380	25	500	750	1000
10 x 28.5	10	3.950	.425	28.5	570	855	1140
10 x 33.6	10	4.100	.575	33.6	672	1008	1344
12 x 10.6	12	1.500	.190	10.6	212	318	424
12 x 31	12	3.670	.370	31.0	620	930	1240
12 x 35	12	3.767	.467	35.0	700	1050	1400
12 x 37	12	3.600	.600	37.0	740	1110	1480
12 x 40	12	3.890	.590	40.0	800	1200	1600
12 x 45	12	4.012	.712	45.0	900	1350	1800
12 x 50	12	4.135	.835	50.0	1000	1500	2000
13 x 31.8	13	4.000	.375	31.8	636	954	1272
13 x 40	13	4.185	.560	40.0	800	1200	1600
13 x 50	13	4.412	.787	50.0	1000	1500	2000
18 x 42.7	18	3.950	.450	42.7	854	1281	1708
18 x 45.8	18	4.000	.500	45.8	916	1374	1832
18 x 51.9	18	4.100	.600	51.9	1038	1557	2076
18 x 58	18	4.200	.700	58.0	1160	1740	2320

JR CHANNEL

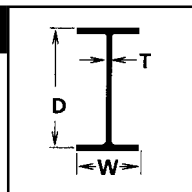
- A 36 HOT ROLLED
Call for availability



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



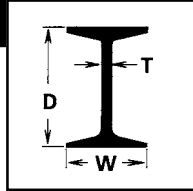
DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
6	4.4	1.875	.125	88	132	176
7	5.5	2.125	.125	110	165	220
8	6.5	2.250	.125	130	195	260
10	9.0	2.750	.188	180	270	360
12	11.8	3.000	.188	2367	354	472

CAN'T FIND IT?

CALL US!

STD I BEAM

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

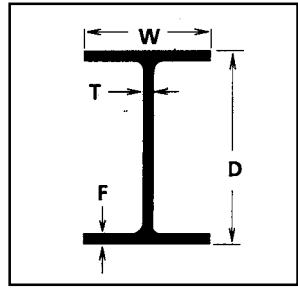


DEPTH INCHES D	POUNDS PER FOOT	SIZE - INCHES		WEIGHT - POUNDS		
		W	T	20 ft	30 ft	40 ft
3	5.70	2.330	.170	114	171	228
	7.50	2.509	.349	150	225	300
4	7.70	2.660	.190	154	231	308
	9.50	2.796	.326	190	285	380
5	10.00	3.000	.210	200	300	400
	14.75	3.284	.494	295	443	590
6	12.50	3.330	.230	250	375	500
	17.25	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 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 $\frac{1}{8}$	$\frac{7}{16}$	$\frac{5}{16}$
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 $\frac{1}{2}$	$\frac{7}{16}$	$\frac{5}{16}$
W8	x	31	8	8	$\frac{7}{16}$	$\frac{5}{16}$
		35	8 $\frac{1}{8}$	8	$\frac{1}{2}$	$\frac{5}{16}$
		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 $\frac{1}{4}$	$\frac{15}{16}$	$\frac{9}{16}$
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 $\frac{3}{4}$	$\frac{1}{2}$	$\frac{5}{16}$
W10	x	33	9 $\frac{3}{4}$	8	$\frac{7}{16}$	$\frac{5}{16}$
		39	9 $\frac{7}{8}$	8	$\frac{1}{2}$	$\frac{5}{16}$
		45	10 $\frac{1}{8}$	8	$\frac{5}{8}$	$\frac{3}{8}$

WIDE FLANGE BEAMS

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

WIDE FLANGE BEAMS

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}	3/4
		176	15 ^{1/4}	15 ^{5/8}	1 ^{5/16}	13/16
		193	15 ^{1/2}	15 ^{3/4}	1 ^{7/16}	7/8
W16	x	26	15 ^{3/4}	5 ^{1/2}	3/8	1/4
		31	15 ^{7/8}	5 ^{1/2}	7/16	1/4
W16	x	36	15 ^{7/8}	7	7/16	5/16
		40	16	7	1/2	5/16
		45	16 ^{1/8}	7	9/16	3/8
		50	16 ^{1/4}	7 ^{1/8}	5/8	3/8
		57	16 ^{3/8}	7 ^{1/8}	1 ^{1/16}	7/16
W16	x	67	16 ^{3/8}	10 ^{1/4}	1 ^{1/16}	3/8
		77	16 ^{1/2}	10 ^{1/4}	3/4	7/16
		89	16 ^{1/4}	10 ^{3/8}	7/8	1/2
		100	17	10 ^{3/8}	1	9/16
W18	x	35	17 ^{3/4}	6	7/16	5/16
		40	17 ^{7/8}	6	1/2	5/16
		46	18	6	5/8	3/8
W18	x	50	18	7 ^{1/2}	9/16	3/8
		55	18 ^{1/8}	7 ^{1/2}	5/8	3/8
		60	18 ^{1/4}	7 ^{1/2}	1 ^{1/16}	7/16
		65	18 ^{3/8}	7 ^{5/8}	3/4	7/16
		71	18 ^{1/2}	7 ^{5/8}	13/16	1/2
W18	x	76	18 ^{1/4}	11	1 ^{1/16}	7/16
		86	18 ^{3/8}	11 ^{1/8}	3/4	1/2
		97	18 ^{5/8}	11 ^{1/8}	7/8	9/16
		106	18 ^{3/4}	11 ^{1/4}	1 ^{5/16}	9/16
		119	19	11 ^{1/4}	1 ^{15/16}	5/8
W21	x	44	20 ^{5/8}	6 ^{1/2}	7/16	3/8
		50	20 ^{7/8}	6 ^{1/2}	9/16	3/8
		57	21	6 ^{1/2}	5/8	3/8
W21	x	62	21	8 ^{1/4}	5/8	3/8
		68	21 ^{1/8}	8 ^{1/4}	1 ^{1/16}	7/16
		73	21 ^{1/4}	8 ^{1/4}	3/4	7/16
		83	21 ^{3/8}	8 ^{3/8}	13/16	1/2
		93	21 ^{5/8}	8 ^{3/8}	1 ^{5/16}	9/16
W21	x	101	21 ^{3/8}	12 ^{1/4}	13/16	1/2
		111	21 ^{1/2}	12 ^{3/8}	7/8	9/16
		122	21 ^{5/8}	12 ^{5/8}	1 ^{5/16}	5/8
		132	21 ^{7/8}	12 ^{1/2}	1 ^{1/16}	5/8
		147	22	12 ^{1/2}	1 ^{1/8}	3/4
W24	x	55	23 ^{5/8}	7	1/2	3/8
		62	23 ^{3/4}	7	9/16	7/16
W24	x	68	23 ^{3/4}	9	9/16	7/16
		76	23 ^{7/8}	9	1 ^{1/16}	7/16
		84	24 ^{1/8}	9	3/4	1/2
		94	24 ^{1/4}	9 ^{1/8}	7/8	1/2

Notes

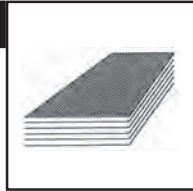
The image features three stacks of metal sheets and plates, arranged diagonally from the top-left to the bottom-right. The top stack is a dark, almost black, material. The middle stack is a bright, metallic blue. The bottom stack is a vibrant green. The sheets are stacked neatly, showing their edges and the slight gaps between them. The lighting is dramatic, highlighting the textures and colors of the metal.

SHEET & PLATE PRODUCTS

**HR
CR
GALVANIZED
JET KOTE
P & O
FLOOR PLATE**

SHEET - Hot Rolled

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

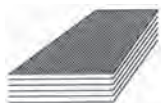


*Custom lengths available from coil

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.		9 Ga. (.1495) 6.25 LBS per sq. ft.	
48 x 96	80.0	48 x 96	140.0	48 x 96	200.0
120	100.0	120	175.0	120	250.0
144	120.0	144	210.0	144	300.0
60 x 96	100.0	60 x 96	175.0	60 x 96	250.0
120	125.0	120	218.8	120	312.5
144	150.0	144	262.5	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.	
48 x 96	100.0	120	262.5	48 x 96	220.0
120	125.0	144	315.0	120	275.0
144	150.0	11 Ga. (.1196) 5.0 LBS per sq. ft.		144	330.0
60 x 96	125.0	48 x 96	160.0	60 x 96	275.0
120	156.3	120	200.0	120	343.8
144	187.5	144	240.0	144	412.5
72 x 96	150.0	60 x 96	200.0	7 Ga. (.1793) 7.5 LBS per sq. ft.	
120	187.5	120	250.0	48 x 96	240.0
144	225.0	144	300.0	120	300.0
13 Ga. (.0897) 3.75 LBS per sq. ft.		10 Ga. (.1345) 5.625 LBS per sq. ft.		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	150.0	60 x 96	225.0	72 x 96	360.0
120	187.5	120	281.3	120	450.0
144	225.0	144	337.5	144	540.0
		72 x 96	270.0		
		120	337.5		
		144	405.0		

SHEET - Galvanized

- STOCK SIZES: 48 in x 120 in and
60 in x 120 in
call for availability



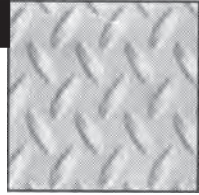
SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
20 Ga. (.040) 1.656 LBS per sq. ft.		16 Ga. (.064) 2.656 LBS per sq. ft.		12 Ga. (.109) 4.531 LBS per sq. ft.	
48 x 96	53.0	48 x 96	85.2	48 x 96	145.0
120	66.2	120	106.0	120	181.2
144	79.5	144	127.4	144	217.5
60 x 120	82.80	60 x 120	132.8	60 x 120	226.55
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.	
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
60 x 120	106.30	60 x 120	184.05	60 x 120	289.05

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.	
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.	
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.	
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

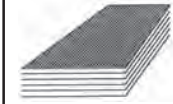


SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
14 Ga.		$\frac{3}{16}$ INCH		$\frac{3}{8}$ INCH	
3.75 LBS per sq. ft.		8.70 LBS per sq. ft.		16.35 LBS per sq. ft.	
48 x 96	120.0	48 x 96	278.4	48 x 96	523.2
120	150.0	120	348.0	120	654.0
144	180.0	144	417.6	144	784.8
		60 x 96	348.0	60 x 96	654.0
		120	435.0	120	817.5
		144	522.0	144	981.0
		72 x 96	417.6	72 x 96	784.8
		120	522.0	120	981.0
		144	626.4	144	1177.2
12 Ga.		$\frac{1}{4}$ INCH		$\frac{1}{2}$ INCH	
5.25 LBS per sq. ft.		11.25 LBS per sq. ft.		21.45 LBS per sq. ft.	
48 x 96	168.0	48 x 96	360.0	48 x 96	686.4
120	210.0	120	450.0	120	858.0
144	252.0	144	540.0	144	1029.6
60 x 96	210.0	60 x 96	450.0	60 x 96	858.0
120	262.5	120	562.5	120	1072.5
144	315.0	144	675.0	144	1287.0
		72 x 96	540.0	72 x 96	1029.6
		120	675.0	120	1287.0
		144	810.0	144	1544.4
$\frac{1}{8}$ INCH		$\frac{5}{16}$ INCH		$\frac{5}{8}$ INCH	
6.15 LBS per sq. ft.		13.8 LBS per sq. ft.		26.55 LBS per sq. ft.	
48 x 96	196.8	48 x 96	441.6	48 x 96	849.6
120	246.0	120	552.0	120	1062.0
144	295.2	144	662.4	72 x 96	1274.4
60 x 96	246.0	60 x 96	552.0	120	1593.0
120	307.5	120	690.0		
144	369.0	144	828.0		
72 x 120	369.0	72 x 96	662.4	$\frac{3}{4}$ INCH	
		120	828.0	31.65 LBS per sq. ft.	
				96 x 240	5064.0

PLATE

- A 36 HOT ROLLED
- A572 GRADE 50
- 1045 PLOW
- AR400
- DOMEX/STREX
- T-1

*call for
availability*



SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
$\frac{3}{16}$ INCH		$\frac{5}{16}$ INCH		$\frac{1}{2}$ INCH	
7.65 LBS per sq. ft.		12.75 LBS per sq. ft.		20.42 LBS per sq. ft.	
48 x 96	244.8	48 x 96	408.0	48 x 96	653.44
120	306.0	120	510.0	120	816.8
144	367.2	144	612.0	144	980.16
		240	1020.0	240	1633.6
60 x 96	306.0	60 x 96	510.0	60 x 96	816.8
120	382.5	120	637.5	120	1021.0
144	459.0	144	765.0	144	1225.2
240	765.0	240	1275.0	240	2042.0
72 x 96	367.2	72 x 96	612.0	72 x 96	980.16
120	459.0	120	765.0	120	1225.2
144	550.8	144	918.0	144	1470.24
240	918.0	240	1530.0	240	2450.4
96 x 96	489.6	96 x 120	1020.0	96 x 120	1633.6
120	612.0	144	1224.0	144	1960.32
144	734.4	240	2040.0	240	3267.2
	1224.0				
$\frac{1}{4}$ INCH		$\frac{3}{8}$ INCH		$\frac{5}{8}$ INCH	
10.21 LBS per sq. ft.		15.32 LBS per sq. ft.		25.5 LBS per sq. ft.	
48 x 96	326.4	48 x 96	489.6	48 x 96	816.0
120	408.0	120	612.0	120	1020.0
144	489.6	144	734.4	144	1224.0
240	816.0	240	1224.0	240	2040.0
60 x 96	408.0	60 x 96	612.0	60 x 96	1020.0
120	510.0	120	765.0	120	1275.0
144	612.0	144	918.0	144	1530.0
240	1020.0	240	1530.0	240	2550.0
72 x 96	489.6	72 x 96	734.4	72 x 96	1224.0
120	612.0	120	918.00	120	1530.0
144	734.4	144	1101.60	144	1836.0
240	1224.0			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 30.63 LBS per sq. ft.		1 1/4 INCH 51.0 LBS per sq. ft.		2 INCH 81.68 LBS per sq. ft.	
48 x 96	980.16	48 x 96	1632.0	48 x 96	2611.2
120	1225.2	120	2040.0	120	3264.0
60 x 96	1225.2	60 x 96	2040.0	60 x 96	3264.0
120	1531.5	120	2550.0	240	8160.0
72 x 96	1470.24	72 x 96	2448.0	96 x 240	13056
120	1837.8	120	3060.0		
240	3675.6	240	6120.0		
96 x 120	2450.4	84 x 240	7140.0		
144	2940.48				
240	4900.8	96 x 96	3264.0		
120 x 240	6128	240	8160.0		
7/8 INCH 35.7 LBS per sq. ft.		1 1/2 INCH 61.26 LBS per sq. ft.		2 1/4 INCH 91.89 LBS per sq. ft.	
48 x 96	1142.4	48 x 96	1958.4	2 1/2 INCH 102.1 LBS per sq. ft.	
120	1428.0	120	2448.0		
60 x 96	1428.0	60 x 96	2448.0	2 3/4 INCH 112.31 LBS per sq. ft.	
120	1785.0	120	3060.0		
96 x 240	5712.0	240	6120.0	3 INCH 122.52 LBS per sq. ft.	
		72 x 96	2937.6		
		84 x 240	8568.0	3 1/2 INCH 142.94 LBS per sq. ft.	
		96 x 120	4896.0		
		240	9792.0	4 INCH 163.36 LBS per sq. ft.	
1 INCH 40.84 LBS per sq. ft.		1 3/4 INCH 71.4 LBS per sq. ft.		4 1/2 INCH 183.78 LBS per sq. ft.	
48 x 96	1306.88	48 x 96	2284.8		
120	1633.6	120	2856.0	5 INCH 204.2 LBS per sq. ft.	
144	1960.32	60 x 96	2856.0		
60 x 96	1633.6	120	3570.0		
120	2042	240	7160.0		
240	4084	72 x 96	3427.2		
72 x 96	1960.32	96 x 240	11424.0		
120	2450.4				
240	4900.8				
84 x 120	2858.8				
240	5717.6				
96 x 120	3267.2				
240	6534.4				
120 x 240	8168				

All plate weights are theoretical values, and should be used for estimating only.

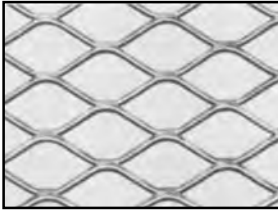
- FOR SIZES NOT SHOWN -
CHECK POSSIBILITY OF CUTTING TO SIZE

VALLEY IRON PLATE
PROCESSING CAPABILITIES
HR Plate: Oxy-Fuel Cutting 1/4" thru 12" thickness
Plasma Cutting: 16 ga thru 2" thickness
Waterjet: 10 ga thru 8" thickness

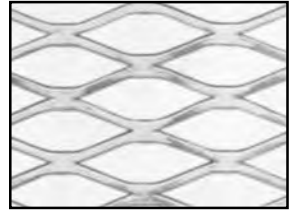


**EXPANDED METAL
GRIP STRUT
BAR GRATING
PERFORATED SHEET**

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, 72 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

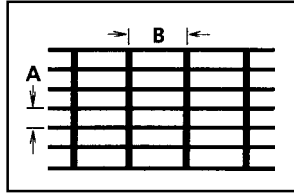
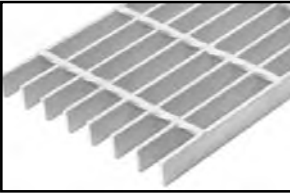
1/4 - #18	108	.075	.715	.080	.040	.040
1/2 - #16	82	.312	1.000	.096	.050	.050
1/2 - #13	140	.265	1.000	.107	.070	.070
3/4 - #16	75	.688	1.781	.078	.106	.078
3/4 - #13	75	.688	1.781	.106	.070	.070
3/4 - #9	171	.563	1.688	.165	.120	.120
1 1/2 - #9	114	1.000	2.563	.158	.110	.110
1 1/2 - #6	220	.975	2.035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

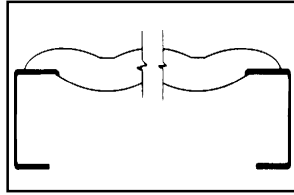
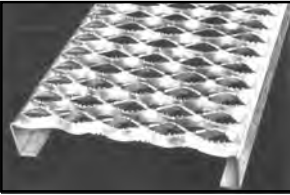
BAR GRATING



- WELDED CONSTRUCTION
 - SMOOTH OR SERRATED
 - 1/16" FACTORY PRIMERED (BLACK) GALVANIZED, PLAIN (BARS)
- *STOCK SIZE: 3 ft X 24 ft

BEARING BAR SIZE (INCHES)		TYPICAL DIMENSIONS A INCHES B	
1/8 x 3/4	*3/16 x 1	1 3/16	4
1/8 x 1	3/16 x 1 1/4		
1/8 x 1 1/4	3/16 x 1 1/2		
1/8 x 1 1/2	3/16 x 1 3/4		

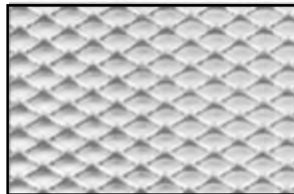
GRIP STRUT



- 12 GAUGE GALVANIZED STEEL - STAINLESS STEEL - ALUMINUM
- SERRATED NON-SLIP SURFACE
- LENGTH: 12 FT • HEIGHT: 2 in
- WIDTHS (inches): 4 3/4, 7, 9 1/2, 11 3/4, 18 3/4, 24

DOOR SCREEN

- 1/8 - #24 FLAT EXPANDED
 - 3/32" OPEN x 24 ga PERFERATED SHEET
 - 1/16" OPEN x 24 ga PERFERATED SHEET
- Stock sizes: 3' x 7' and 4' x 7'



**Ideal for Security Doors*



TUBE STEEL

**STRUCTURAL &
ORNAMENTAL**

SQUARE

RECTANGLE

ROUND

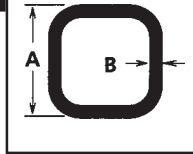
PIPE

BLACK GALVANIZED

UNCOATED

SQUARE TUBING

- A 513 (ORNAMENTAL SIZES)
 - A 500 (STRUCTURAL SIZES)
- STOCK LENGTHS: 20, 24, 30, 40 & 48 ft
 Custom lengths are available upon request.



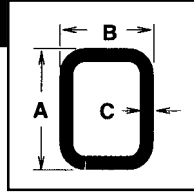
OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	
1/2 x 1/2	.049	.301	3 x 3	.065	2.595	
	.065	.385		.095	3.518	
5/8 x 5/8	.049	.384		.120	4.580	
	.065	.495		.188	6.870	
3/4 x 3/4	.049	.467		.250	8.810	
	.065	.605		.313	10.580	
	.072	.650		.375	12.170	
	.083	.753		3 1/2 x 3 1/2	.120	5.390
	.095	.846			.188	8.150
.120	1.028	.250		10.510		
7/8 x 7/8	.065	.716		.312	12.700	
				.375	14.720	
1 x 1	.049	.634		4 x 4	.083	4.422
	.065	.827			.095	5.044
	.072	.900			.120	6.210
	.083	1.035			.188	9.420
	.095	1.169			.250	12.210
	.120	1.436			.312	14.830
1 1/4 x 1 1/4	.065	1.047	.375	17.270		
	.072	1.200	.500	21.630		
	.083	1.317	4 1/2 x 4 1/2	.188	10.700	
	.095	1.492		.250	13.910	
	.120	1.884		.375	19.82	
.188	2.400	5 x 5	.120	7.800		
1 1/2 x 1 1/2	.065		1.268	.188	11.970	
	.072		1.400	.250	15.620	
	.083		1.599	.312	19.080	
	.095		1.815	.375	22.370	
	.120		2.252	.500	28.430	
	.188	3.350	5 1/2 x 5 1/2	.188	13.250	
.250	4.000	.250		17.320		
1 3/4 x 1 3/4	.065	1.489		.313	21.210	
	.083	1.882		.375	24.930	
	.095	2.138	.500	31.843		
	.120	2.660	6 x 6	.120	9.860	
2 x 2	.065	1.710		.188	14.530	
	.072	1.900		.250	19.020	
	.083	2.160		.312	23.340	
	.095	2.461		.375	27.480	
	.120	2.940		.500	35.240	
	.188	4.320	.625	42.260		
.250	5.410	7 x 7	.188	17.080		
2 1/2 x 2 1/2	.095		3.107	.250	22.420	
	.120		3.760	.312	27.590	
	.188		5.590	.375	32.580	
	.250		7.110	.500	42.050	
				.625	50.760	

SQUARE TUBING

OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	
8 x 8	.188	19.630	14 x 14	.313	57.360	
	.250	25.820		.375	68.310	
	.312	31.840		.500	89.680	
	.375	37.690		.625	110.350	
	.500	48.850		16 x 16	.313	65.870
.625	59.320	.375	78.520			
9 x 9	.250	29.230	.500		103.300	
	.313	36.100	.625		127.340	
	.375	42.790	16 x 16		.375	85.580
	.500	55.660		.500	116.840	
	.625	67.820		.625	144.180	
10 x 10	.250	32.630		20 x 20	.500	130.290
	.312	40.350			.625	159.000
	.375	47.900				
	.500	62.460				
	.625	76.330				
12 x 12	.250	39.430				
	.375	58.100				
	.500	76.070				
	.625	93.250				

RECTANGULAR TUBING

- A 513 (ORNAMENTAL SIZES)
 - A 500 (STRUCTURAL SIZES)
- STOCK LENGTHS: 20, 24, 30, 40 & 48 ft
 Custom lengths are available upon request.



OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT		
½ x 1	.047	.467	2 x 6	.120	6.210		
	.065	.605		.188	9.420		
½ x 1½	.065	.827		.250	12.210		
				.313	14.830		
				.375	17.270		
¾ x 1½	.065	.937	2 x 8	.188	11.970		
				.120	1.640	.250	15.620
1 x 1½	.065	1.047		.313	19.080		
				.095	1.443	.375	22.370
				.120	1.844		
1 x 2	.065	1.268	2 x 10	.188	14.53		
				.072	1.398	.250	19.02
				.083	1.599	.313	23.34
				.095	1.815	.375	27.48
1 x 2½	.120	2.660	2 x 12	.188	17.08		
				.120	2.252	.250	22.42
				.188	3.350	.313	27.51
						.375	32.58
1 x 3	.065	1.890	3 x 4	.120	5.390		
				.095	2.784	.188	8.150
				.120	3.480	.250	10.510
				.188	4.960	.313	12.7
				.250	6.250	.375	14.720
1½ x 4	.120	4.291	3 x 5	.120	6.460		
						.188	9.420
2 x 3	.065	2.153		.250	12.210		
				.083	2.728	.313	14.83
				.095	3.107	.375	17.270
				.120	3.760	.500	21.63
				.188	5.590		
				.250	7.110	3 x 6	.120	7.020
.313	8.43	.188	10.700				
2 x 3½	.188	6.870		.250	13.910		
				.250	8.810	.313	16.960
						.375	19.820
2 x 4	.065	2.400	3 x 7	.500	25.01		
				.083	3.263	.188	21.97
				.095	3.753	.250	15.62
				.120	4.580	.375	22.37
				.188	6.870	.500	28.43
				.250	8.810		
2 x 5	.120	5.390	3 x 8	.250	17.320		
				.188	8.150	.313	21.21
				.250	10.510	.375	24.930
				.313	12.700	.500	31.81
				.375	14.710		
						3 x 9	.250	19.020
		.313	23.340				
		.375	27.480				
		.500	35.240				

RECTANGULAR TUBING

OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
3 x 10	.188	15.800	4 x 20	.313	48.860
	.250	20.720		.375	58.100
	.313	25.420		.500	76.070
	.375	30.020	5 x 6	.250	17.320
	.500	41.490		.312	21.270
.625	47.730	.375		24.930	
3 x 12	.188	18.350	.500	31.840	
	.250	24.210	5 x 7	.188	14.530
	.313	31.000		.250	19.020
	.375	35.140		.312	23.340
.500	44.190	.375		27.48	
4 x 5	.188	10.700	.500	35.240	
	.250	13.910	.625	43.67	
	.313	16.96	5 x 9	.250	22.420
	.375	19.82		.313	27.590
.500	25.01	.375		32.580	
		.500		42.050	
4 x 6	.188	11.970	.625	50.770	
	.250	15.620	5 x 10	.188	18.350
	.313	19.080		.250	24.120
	.375	22.370		.375	35.130
.500	28.430	.500		45.500	
4 x 7	.188	13.300	.625	55.850	
	.250	17.320	6 x 8	.188	17.080
	.313	21.27		.250	22.420
	.375	24.930		.313	27.590
.500	31.84	.375		32.580	
4 x 8	.188	14.530	.500	42.050	
	.250	19.020	.625	50.77	
	.313	23.340	6 x 9	.250	24.120
	.375	24.480		.375	34.270
	.500	35.240		.500	45.500
.625	42.27	.625		55.850	
4 x 10	.188	17.080	6 x 10	.188	19.630
	.250	22.420		.250	25.840
	.313	27.590		.313	31.840
	.375	32.580		.375	37.690
	.500	42.050	.500	48.850	
.625	50.76	.625	59.32		
4 x 12	.188	19.630	6 x 12	.188	22.180
	.250	25.820		.250	29.230
	.313	31.84		.313	36.10
	.375	37.690		.375	42.790
	.500	48.850	.500	55.660	
.625	59.32	.625	67.82		
4 x 14	.188	22.180	6 x 14	.250	32.630
	.250	29.230		.313	40.350
	.313	36.100		.375	47.900
	.375	37.690		.500	62.460
	.500	42.790	.625	76.330	
.625	55.660	6 x 18	.250	39.430	
4 x 16	.250		32.630	.313	48.860
	.313		40.350	.375	58.100
	.375		47.900	.500	76.070
	.500	62.460	.625	93.250	
.625	76.330				

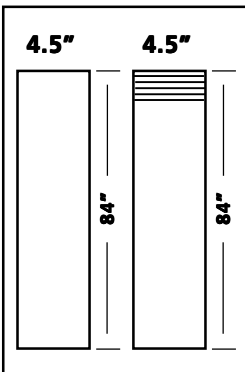
RECTANGULAR TUBING

OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	
7 x 9	.188	19.630	8 x 20	.313	57.450	
	.250	25.820		.375	68.310	
	.313	31.840		.500	89.680	
	.375	37.690		.625	110.350	
	.500	48.850		10 x 12	.250	36.550
	.625	59.320			.375	52.990
		.500	69.260			
8 x 10	.250	29.230	10 x 14	.250	39.430	
	.313	36.10		.313	48.860	
	.375	42.790		.375	58.100	
	.500	55.66	.500	76.070		
	.625	67.82	.625	93.360		
8 x 12	.250	32.630	12 x 16	.313	57.360	
	.313	40.300		.375	68.310	
	.375	47.900		.500	89.680	
	.500	62.460		.625	110.350	
	.625	76.33	12 x 20	.313	65.870	
		.375		78.520		
		.500		103.300		
		.625		127.340		

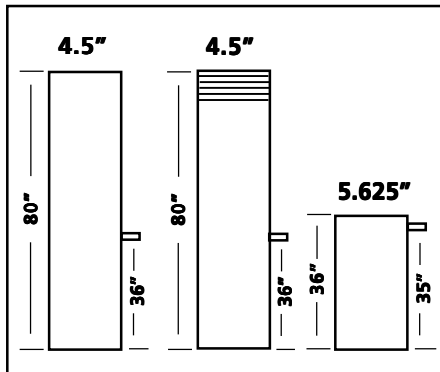
PG&E BARRIER POSTS

- 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

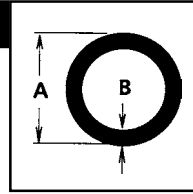


REMOVABLE SPECS



PIPE

- UNCOATED
- BLACK
- GALVANIZED STOCK LENGTHS: 21, 24, 30, & 40 ft
- SCHEDULE 10 AND GAUGE PIPE AVAILABLE IN SELECT SIZES



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

PIPE

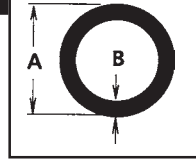
NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
3 1/2	40	4.000	3.548	.226	9.11
	80	4.000	3.364	.318	12.50
	XXS	4.000	2.728	.636	22.85
4	40	4.500	4.026	.237	10.79
	80	4.500	3.826	.337	14.98
	120	4.500	3.624	.438	19.00
	160	4.500	3.438	.531	22.51
	XXS	4.500	3.152	.674	27.54
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
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

ROUND TUBING

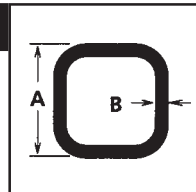
- A 513 HOT ROLLED ELECTRIC WELD
STOCK LENGTH: 20 ft
- SELECT SIZES DOM TUBE - INQUIRE



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				
	.188	1.124	2.694				

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

STAINLESS STEEL

Non-Hardening, Chrome Nickel Steels

Common Grades

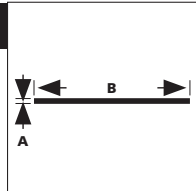
- 303** A free machining version of 304 with only slightly less corrosion resistance and physical properties.
- 304** The most popular type of stainless, exhibiting good corrosion resistance, formability, and ease of welding by all common methods.
- 304L** Lower carbon version of 304. Used to minimize 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

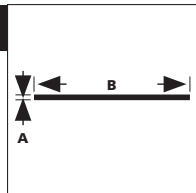
- TYPE 304, 316
HRAP/GAUER
STOCK LENGTH: 12 FT
ASTM A-240



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, 316
HRAP/GAUER/TRUE
STOCK LENGTH: Random 12 FT
ASTM A-240



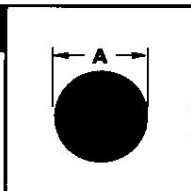
SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft		SIZE Inches	WEIGHT - POUNDS Per Foot 12 ft	
1/4 x 1/2	.425	5.10	3	3.825	45.90
3/4	.638	7.65	4	5.100	61.20
1	.850	10.20	5	6.375	76.50
1 1/4	1.063	12.76	6	7.650	91.80
1 1/2	1.275	15.30	8	10.200	122.40
1 3/4	1.488	17.86	10	12.750	153.00
2	1.700	20.40	12	15.300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

FLAT BAR

SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	12 ft		Per Foot	12 ft
$\frac{5}{8}$ x $\frac{3}{4}$	1.631	19.572	1 x 2	6.800	81.6
1	2.130	25.56	2 $\frac{1}{2}$	8.500	102
1 $\frac{1}{4}$	2.656	31.872	3	10.200	122.4
1 $\frac{1}{2}$	3.188	38.256	3 $\frac{1}{2}$	11.900	142.8
2	4.250	51	4	13.600	163.2
2 $\frac{1}{2}$	5.313	5.313	5	17.000	204
3	6.700	63.756	6	20.400	244.8
3 $\frac{1}{2}$	7.438	89.256			
4	8.500	102	1 $\frac{1}{4}$ x1 $\frac{1}{2}$	6.490	77.88
5	11.183	134.196	2	8.500	102
6	13.419	161.028	2 $\frac{1}{2}$	10.630	127.56
			3	12.750	153
$\frac{3}{4}$ x 1	2.550	30.6	4	17.670	212.04
1 $\frac{1}{4}$	3.190	38.28	6	25.520	306.24
1 $\frac{1}{2}$	3.830	45.96			
1 $\frac{3}{4}$	4.488	53.856	1 $\frac{1}{2}$ x 2	10.200	122.4
2	5.100	61.2	2 $\frac{1}{2}$	13.196	158.352
2 $\frac{1}{2}$	6.380	76.56	3	15.300	183.6
3	7.650	91.8	4	20.400	244.8
3 $\frac{1}{2}$	8.930	107.16	6	30.600	367.2
4	10.200	122.4			
5	12.750	153	2 x 2 $\frac{1}{2}$	17.000	204
6	15.300	183.6	3	20.400	244.8
			4	27.200	346.4
1 x 1 $\frac{1}{4}$	4.250	51			
1 $\frac{1}{2}$	5.100	61.2	3 x 4	40.800	489.6
1 $\frac{3}{4}$	6.000	72			

ROUND BAR

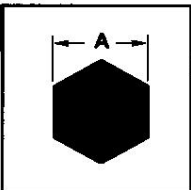
- TYPE 303, 304, 316 & 416
PSQ T416 20 ft
BQ T304 12 ft - METRIC AND IMPERIAL SIZES
Stock Length: Random 12 ft
QQ-S763/ASTM-A-276



SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
1/8	.042	.50	1 9/16	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 5/8	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 5/8	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 1/4	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

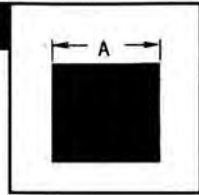
- TYPE 304
STOCK LENGTH: Random 12 ft
QQ-S-763



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
1 1/16	1.392	16.70			

SQUARE BAR

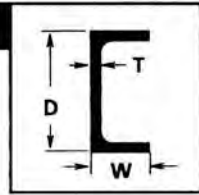
- TYPE 304
STOCK LENGTH: Random 12 ft
QQ-S-763



SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft	SIZE Inches	WEIGHT - POUNDS Per Foot	12 ft
1/8	.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

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

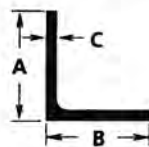
ANGLE

• TYPE 304, 316

HRAP

STOCK LENGHT: 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
$\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{8}$	.59	11.8	$3 \times 2 \times \frac{3}{16}$			3.14	62.8
1	1	$\frac{1}{8}$	.81	16.2			$\frac{1}{4}$	4.10	82.0
		$\frac{3}{16}$	1.16	23.2	$3 \times 3 \times \frac{3}{16}$			3.79	75.8
		$\frac{1}{4}$	1.50	30.0			$\frac{1}{4}$	4.99	99.8
$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{8}$	1.03	20.6			$\frac{5}{16}$	6.10	122.0
		$\frac{3}{16}$	1.48	29.6			$\frac{3}{8}$	7.26	145.2
		$\frac{1}{4}$	1.92	38.4			$\frac{1}{2}$	9.45	189.0
$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{8}$	1.25	25.0	$3\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{4}$			5.88	117.6
		$\frac{3}{16}$	1.80	36.0	$4 \times 3 \times \frac{1}{4}$			5.80	116.0
		$\frac{1}{4}$	2.35	47.0			$\frac{3}{8}$	8.50	170.0
2	2	$\frac{1}{8}$	1.73	34.6	$4 \times 4 \times \frac{1}{4}$			6.75	135.0
		$\frac{3}{16}$	2.49	49.8			$\frac{3}{8}$	9.88	197.6
		$\frac{1}{4}$	3.23	64.6			$\frac{1}{2}$	12.90	258.0
		$\frac{3}{8}$	4.70	94.0	$5 \times 3 \times \frac{1}{4}$			0000	0000
$2\frac{1}{2}$	$2\frac{1}{2}$	$\frac{3}{16}$	3.16	63.2			$\frac{3}{8}$	10.01	200.20
		$\frac{1}{4}$	4.13	82.6	$5 \times 5 \times \frac{3}{8}$			12.30	246.0
		$\frac{3}{8}$	5.97	119.4	$6 \times 4 \times \frac{3}{8}$			0000	0000

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	.....	.....

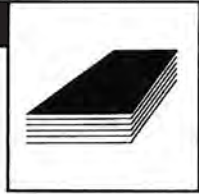
THEORETICAL WEIGHTS

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

SHEET

- TYPE 304, 316
SHEET - No. 2B finish & No. 4 polished
#8 Mirror
PLATE - No. 1 finish
QQ-S-766/ASTM-A-240
*Fiber Laser PVC on select sizes



SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
24 Ga. (.024) 1.008 LBS per sq. ft.		16 Ga. (.060) 2.520 LBS per sq. ft.		11 Ga. (.120) 5.040 LBS per sq. ft.	
48 x 96	32.26	48 x 96	80.64	48 x 96	161.28
120	40.32	120	100.80	120	201.60
144	48.38	144	120.96	144	241.92
22 Ga. (.030) 1.260 LBS per sq. ft.		60 x 120	126.00	60 x 120	252.00
48 x 96	40.32	144	151.20	144	302.40
120	50.40	14 Ga. (.075) 3.150 LBS per sq. ft.		10 Ga. (.135) 5.670 LBS per sq. ft.	
144	60.48	48 x 96	100.80	48 x 96	181.44
20 Ga. (.036) 1.512 LBS per sq. ft.		120	126.00	120	226.80
48 x 96	48.38	144	151.20	144	272.16
120	60.48	60 x 120	157.50	60 x 120	283.50
144	72.58	144	189.00	144	340.20
60 x 120	75.6	72 x 96	152	72 x 96	276.16
18 Ga. (.048) 2.016 LBS per sq. ft.		72 x 120	189	72 x 120	340.2
48 x 96	64.51	72 x 144	226.8	72 x 144	408.2
120	80.64	12 Ga. (.105) 4.410 LBS per sq. ft.		7 Ga. (.187) 7.854 LBS per sq. ft.	
144	96.77	48 x 96	141.12	48 x 96	251.33
60 x 120	100.8	120	176.40	120	314.16
16 Ga. (.060) 2.520 LBS per sq. ft.		144	211.68	60 x 120	392.70
48 x 96	80.64	60 x 120	220.50	144	471.24
120	100.80	144	264.60		
144	120.96	72 x 96	212.64		
		72 x 120	265.8		
		72 x 144	319.00		

PLATE

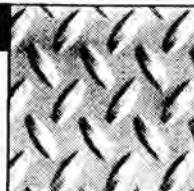
- TYPE 304, 316
SHEET - No. 2B finish & No. 4 polished
#8 Mirror
PLATE - No. 1 finish
QQ-S-766/ASTM-A-240
*Fiber Laser PVC on select sizes



SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET	SIZE INCHES	POUNDS PER SHEET
3/16 INCH		5/16 INCH		5/8 INCH	
8.579 LBS per sq. ft.		13.746 LBS per sq. ft.		26.831 LBS per sq. ft.	
48 x 96	274.53	48 x 96	439.87	3/4 INCH	
120	343.16	120	549.84	32.123 LBS per sq. ft.	
144	411.79	144	659.81	1 INCH	
60 x 120	428.95	60 x 120	687.30	42.665 LBS per sq. ft.	
144	514.74	144	824.76	1 1/4 INCH	
72 x 120	514.74	3/8 INCH		53.000 LBS per sq. ft.	
1/4 INCH		16.496 LBS per sq. ft.		1 1/2 INCH	
11.162 LBS per sq. ft.		48 x 96	527.87	63.337 LBS per sq. ft.	
48 x 96	357.18	120	659.84	1 3/4 INCH	
120	446.48	144	791.81	73.670 LBS per sq. ft.	
144	535.78	60 x 120	825	2 INCH	
60 x 120	558.10	72 x 120	990	84.008 LBS per sq. ft.	
144	669.72	1/2 INCH		2 1/4 INCH	
72 x 120	670.0	21.663 LBS per sq. ft.		94.777 LBS per sq. ft.	
		48 x 96	693.22	2 1/2 INCH	
		120	866.52	105.113 LBS per sq. ft.	
		144	1039.82	3 INCH	
		60 x 120	1083.15	126.301 LBS per sq. ft.	
		72 x 120	1299.78		

FLOOR PLATE

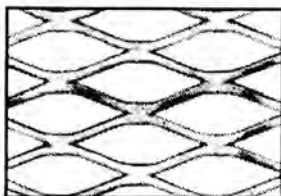
- TYPE 304, 316
HRAP
Raised Diamonds, Pattern B
ASTM-A-240, MIL-F-20138



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
Flat & Raised (Standard)
STYLE DESIGNATION:
 - The first number represents the normal width of the opening in inches.
 - The second number represents the approximate material gage before expanding.

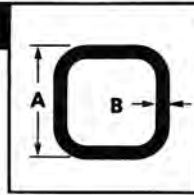


Flattened

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

SQUARE TUBING

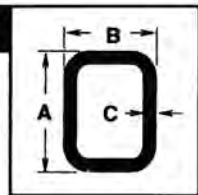
- TYPE 304, 316
MILL FINISH
STOCK LENGTH: 20 ft
ASTM-A-A554
*Select sizes in 24'



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	3 1/2 x 3 1/2	.188	6.903
				.250	8.953
3/4 x 3/4	.065	.606	1 1/2 x 1 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
1 3/4 x 1 3/4	.065	1.600		.375	29.094
	.083	2.022			
	.120	2.864			
2 x 2	.065	1.710	6 x 6	.188	14.350
	.083	2.163		.250	19.600
	.120	3.067		.312	24.491
	.188	4.455		.375	18.680
	.250	6.007		.500	36.799
2 1/2 x 2 1/2	.065	2.152	7 x 7	.188	17.080
	.083	2.728		.250	23.129
	.120	3.884		.375	34.193
188	.188	5.679	8 x 8	.188	19.235
	.250	7.343		.250	26.529
				.375	39.293
				.500	49.873
250			10 x 10	.188	24.130
				.250	33.327
				.375	49.490
				.500	62.947

RECTANGULAR TUBING

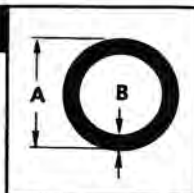
- TYPE 304, 316
MILL FINISH
STOCK LENGTH: Random 20 ft
ASTM-A-A554
*Select sizes in 24'



OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
1/2 x 1	.065	.605	2 x 5	.120	5.928
				.188	8.739
1/2 x 1/2	.065	.826		.250	11.347
3/4 x 1 1/2	.065	.937	2 x 6	.120	6.313
				.188	9.270
1 x 1 1/2	.065	1.047		.250	12.683
			.120	18.680	
1 x 2	.065	1.268	3 x 4	.120	5.610
				.083	8.150
				.120	11.347
1 x 3	.065	1.710	3 x 5	.188	9.270
				.120	12.683
				.375	18.680
1 1/2 x 2	.065	1.490	3 x 6	.120	7.310
				.120	10.580
1 1/2 x 3	.065	1.931		.188	13.730
			.120	21.660	
			.375		
2 x 3	.065	2.152	4 x 6	.188	12.400
				.120	15.070
				.188	23.995
				.250	7.342
2 x 4	.065	2.152	4 x 8	.188	14.330
				.120	19.600
				.188	29.094
				.250	
5 x 7				.188	14.330
				.250	19.600
				.375	29.094
6 x 8				.188	16.253
				.250	23.129
				.375	31.193

PIPE

- TYPE 304, 316
STOCK LENGTH: 20 ft
ASTM-A312



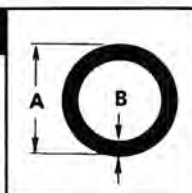
NOMINAL SIZE	SCHEDULE	O.D. INCHES	I.D. INCHES	THICKNESS INCHES	POUNDS PER FOOT
1/8	5	-	-	-	-
	10	.405	.307	.049	.186
	40	.405	.269	.068	.245
	80	.405	.215	.095	.314
1/4	5	-	-	-	-
	10	.540	.407	.065	.324
	40	.540	.364	.088	.425
	80	.540	.302	.119	.537
3/8	5	-	-	-	-
	10	.675	.545	.065	.423
	40	.675	.493	.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

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



O.D. THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT	O.D. THICKNESS INCHES	I.D. INCHES	POUNDS PER FOOT	
1/4	.035	.180	1 1/4	.065	1.120	
	.049	.152		.120	1.010	
	.065	.120		.128		
3/8	.035	.305	1 1/2	.049	1.402	
	.049	.277		.065	1.370	
	.065	.245		.120	1.260	
1/2	.035	.430	1 3/4	.065	1.620	
	.049	.402		2	.065	1.870
	.065	.370			.120	1.760
3/4	.035	.680	2 1/2	.065	2.370	
	.049	.652		.120	2.226	
	.065	.620	3	.065	2.870	
	.120	.510		.120	2.760	
1	.049	.902				
	.065	.870				
	.095	.810				
	.120	.760				

A close-up photograph of an aluminum diamond plate surface. The image shows the characteristic raised diamond pattern of the metal, with a warm, orange-gold color palette. The word "ALUMINUM" is printed in a bold, white, sans-serif font, centered horizontally across the middle of the image. The lighting creates highlights and shadows that emphasize the three-dimensional texture of the plate.

ALUMINUM

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:

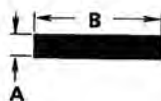
- T51** Stress relieved. Applies to plate and rolled or cold finished rod and bar when stretched after solution heat treatment, or after cooling from an elevated temperature shaping process. No further straightening after stretching.
- T510** Stress relieved. Applies to extruded bar, rod, shapes and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



SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS	
	Per Foot	12 ft		Per Foot	12 ft
$1/8 \times 1/2$	.074	0.89	$3/8 \times 1/2$	.221	2.65
$5/16$	.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			
6	.882	10.58	$1/2 \times 3/4$	.441	5.29
			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
			4	2.352	28.22
$1/4 \times 1/2$	.147	1.76	5	2.940	35.28
$3/4$	.221	2.65	6	3.528	42.34
1	.294	3.53			
$1 1/4$	.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			
4	1.176	14.11	$3/4 \times 1$	.882	10.58
5	1.470	17.64	$1 1/4$	1.103	13.24
6	1.764	21.17	$1 1/2$	1.323	15.88
			$1 3/4$	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

RECTANGULAR BAR

SIZE Inches	WEIGHT - POUNDS		SIZE Inches	WEIGHT - POUNDS			
	Per Foot	12 ft		Per Foot	12 ft		
1	x 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				
	6	7.056	84.67	2	x 2½	5.880	70.56
1¼ x 1½	2	2.205	26.46		3	7.056	84.67
	2	2.940	35.28		4	9.408	112.90
	2½	3.675	44.10	3	x 4	14.112	169.34
	3	4.410	52.92		5	17.640	211.68
	4	5.880	70.56				

ROUND BAR

- 6061-T6, 6061-T651, 6061-T6511

STOCK LENGTH: 12 ft (except sizes listed "R/L"
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
⅛	.014	.17	1¾	2.829	33.95
⅜	.033	.40	1⅝	3.034	36.41
			1⅞	3.247	38.96
¼	.058	.70	2	3.695	44.34
⅝	.090	1.08	2⅝	4.171	50.05
⅞	.130	1.56	2¼	4.676	56.11
7/16	.177	2.12			
			2½	5.773	69.28
½	.231	2.77	2⅞	6.364	76.37
⅝	.292	3.50	2¾	6.985	83.82
⅞	.361	4.33			
			3	8.313	99.76
¾	.520	6.24	3¼	9.776	117.31
7/8	.707	8.48	3½	11.315	135.78
			3⅞	12.152	145.82
1	.924	11.09	3¾	12.989	155.87
1⅛	1.169	14.03			
			4	14.778	177.34
1¼	1.443	17.32	4¼	16.683	200.20
1⅝	1.591	19.09	4½	18.704	244.45
1⅞	1.746	20.95			
17/16	1.909	22.91	5	23.901	R/L
			5½	27.940	R/L
1½	2.078	24.94	6	33.251	R/L
1⅞	2.439	29.27			

SQUARE BAR

- 6061-T6

STOCK LENGTH: 12 ft

Federal specification QQ A200/8/Extruded/ASTM B221



SIZE			WEIGHT - POUNDS		
Inches	Per Foot	12 ft	Inches	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			WEIGHT - POUNDS		
Inches	Per Foot	12 ft	Inches	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

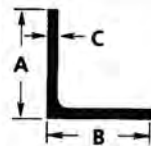
GRADE	TENSILE STRENGTH (k.s.i.)	YIELD POINT (k.s.i.)	ULTIMATE SHEARING STRENGTH	HARDNESS
6061-T6*	45	40	30	95 BHN
5052-H32	33	28	20	60 BHN
6063-T52	27	21	17	60 BHN
3003-H14	22	21	14	40 BHN

*Also applies to 6061-T651 and 6061-T6511

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
2	$\times 1\frac{1}{2}$	$\times \frac{1}{8}$	.496	12.40			$\frac{3}{8}$	3.826	95.65
		$\frac{3}{16}$	.731	18.28	4	$\times 2\frac{1}{2}$	$\times \frac{1}{4}$	1.856	46.40
		$\frac{1}{4}$	.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					

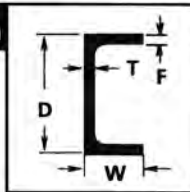
ANGLE

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			x 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 8			3/4	11.679	291.98
		1/2	5.578	139.45			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



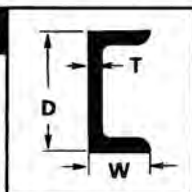
SIZE - INCHES			FLANGE	WEIGHT - POUNDS	
D	W	T	F	Per Foot	25 ft
2	x 1.00	x .13	.13	.577	14.43
2	x 1.25	x .17	.26	1.071	26.78
3	x 1.50	x .13	.20	1.135	28.38
	x 1.75	x .17	.26	1.597	39.93
4	x 2.00	x .15	.23	1.738	43.45
	x 2.25	x .19	.29	2.331	58.28
5	x 2.25	x .15	.26	2.212	55.30
	x 2.75	x .19	.32	3.089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

CHANNEL - American Standard

• 6061-T6

STOCK LENGTH: 25 ft

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

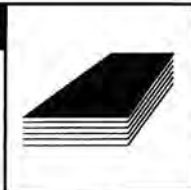


SIZE - INCHES			WEIGHT - POUNDS	
D	W	T	Per Foot	25 ft
3	x 1.410	x .170	1.417	35.43
3	x 1.498	x .258	1.729	43.23
3	x 1.596	x .356	2.074	51.85
4	x 1.580	x .180	1.846	46.15
4	x 1.647	x .247	2.161	54.03
4	x 1.720	x .320	2.504	62.60
5	x 1.750	x .190	2.316	57.90
5	x 1.885	x .325	3.108	77.70
5	x 2.032	x .432	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



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

PLATE

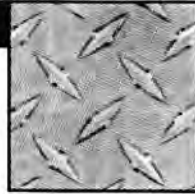
- 5052-H32 MILL FINISH
Federal specification QQ A-250/11 / ASTM-B209
- 6061-T651 MILL FINISH
Federal specification QQ A-250/11 / ASTM-B209



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	4.400	140.8	4.417	141.34
	48 x 120	4.400	176.0	4.417	176.68
	48 x 144	4.400	216.2	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

DIAMOND PLATE

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



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

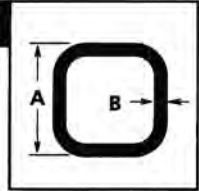
CUSTOM SHEARING

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*

SQUARE TUBING

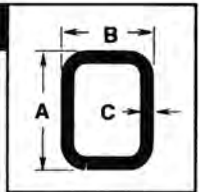
- 6063-T52 & 6061-T6
MILL FINISH
STOCK LENGTH: 20 ft
ASTM-B221
*Select sizes 24'



OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
3/4 x 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 1/4 x 1 1/4	.120	.674		.250	3.300
	1 1/2 x 1 1/2	.120	.825	4 x 4	.120	2.326
1 3/4 x 1 3/4		.120	.946		.250	4.500

RECTANGULAR TUBING

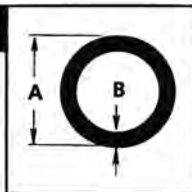
- 6063-T52 & 6061-T6
MILL FINISH
STOCK LENGTH: 20 ft
ASTM-B221
*Select sizes 24'



OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT	OUTSIDE DIMENSIONS	WALL THICKNESS	POUNDS PER FOOT
1/2 x 1	.120	.374	1 3/4 x 3	.120	1.350
			1 3/4 x 4	.120	1.650
3/4 x 1 1/2	.120	.600	1 3/4 x 4 1/2	.120	1.800
			1 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 1/2 x 2	.120	.974			

ROUND TUBING

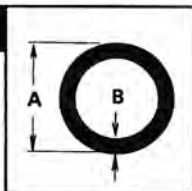
- 6061-T6
MILL FINISH
STOCK LENGTH: 20 ft
ASTM-8210



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	40	1.315	.957	.179	.751
	80	1.315	.957	.179	.751

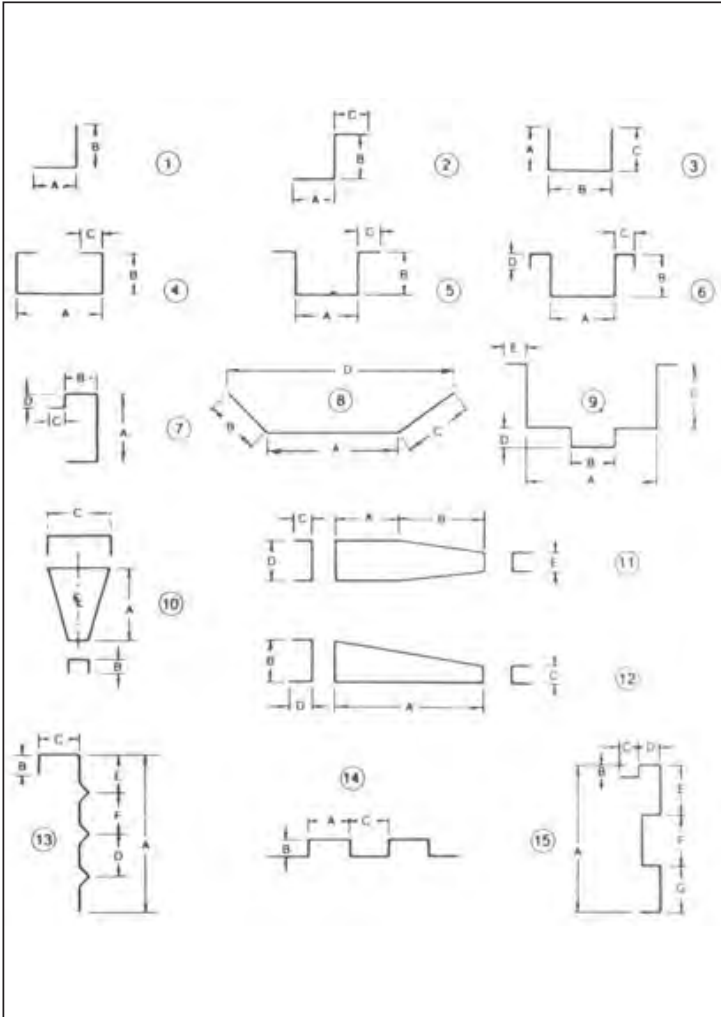
PIPE

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	
4	40	4.500	4.030	.240	3.730
	80	4.500	3.826	.337	5.187
5	40	5.563	5.050	.240	3.730
	80	5.563	4.813	.375	7.188
6	40	6.63	6.060	.280	6.55
	80	6.63	5.766	.432	9.98

CAN'T FIND IT?

CALL US!

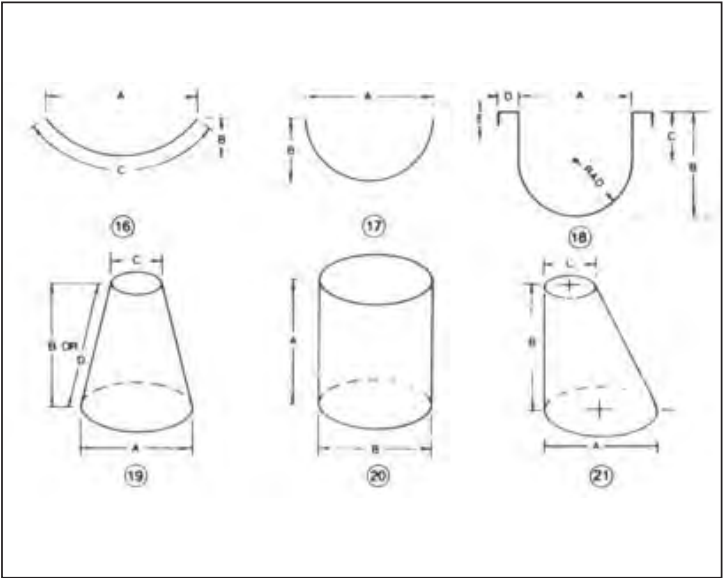
FORMED SHAPES



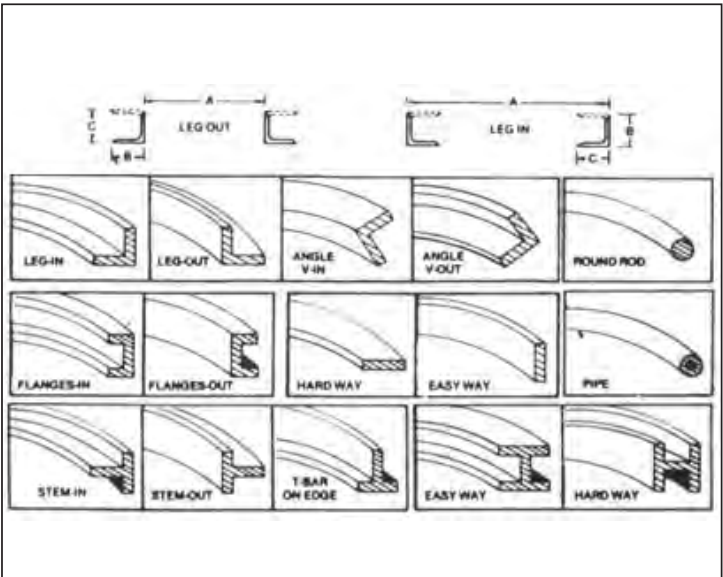
FOR EASE OF ORDERING, REFER TO THE ABOVE SKETCHES THAT CLOSELY RESEMBLE THE PART YOU NEED.

ROLLED SHAPES

FORMED ROLLED SHAPES



ROLLED SHAPES



FOR EASE OF ORDERING, REFER TO THE ABOVE SKETCHES THAT CLOSELY RESEMBLE THE PART YOU NEED.

1-800-331-4766

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 6.28315

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 3.1415

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. METERIC EQUIVALENTS

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
	.015625		.515625
$\frac{1}{32}$	.03125	$\frac{17}{32}$	.53125
	.046875		.546875
$\frac{1}{16}$	.0625	$\frac{9}{16}$	.5625
	.078125		.578125
$\frac{3}{32}$	.09375	$\frac{19}{32}$	.59375
	.109375		.609375
$\frac{1}{8}$	.1250	$\frac{5}{8}$	.6250
	.140625		.640625
$\frac{5}{32}$	.15625	$\frac{21}{32}$	.65625
	.171875		.671875
$\frac{3}{16}$	.1875	$\frac{11}{16}$	.6875
	.203125		.703125
$\frac{7}{32}$	.21875	$\frac{23}{32}$	.71875
	.234375		.734375
$\frac{1}{4}$	.2500	$\frac{3}{4}$	.7500
	.265625		.765625
$\frac{9}{32}$	.28125	$\frac{25}{32}$	.78125
	.296875		.796875
$\frac{5}{16}$	.3125	$\frac{13}{16}$	.8125
	.328125		.828125
$\frac{11}{32}$	.34375	$\frac{27}{32}$	.84375
	.359375		.859375
$\frac{3}{8}$	.3750	$\frac{7}{8}$	.8750
	.390625		.890625
$\frac{13}{32}$	.40625	$\frac{29}{32}$	.90625
	.421875		.921875
$\frac{7}{16}$	.4375	$\frac{15}{16}$	.9375
	.453125		.953125
$\frac{15}{32}$	.46875	$\frac{31}{32}$	.96875
	.484375		.984375
$\frac{1}{2}$	.5000	\uparrow	1.0000



CELEBRATING
SIXTY YEARS



Since 1958

valleyiron.com