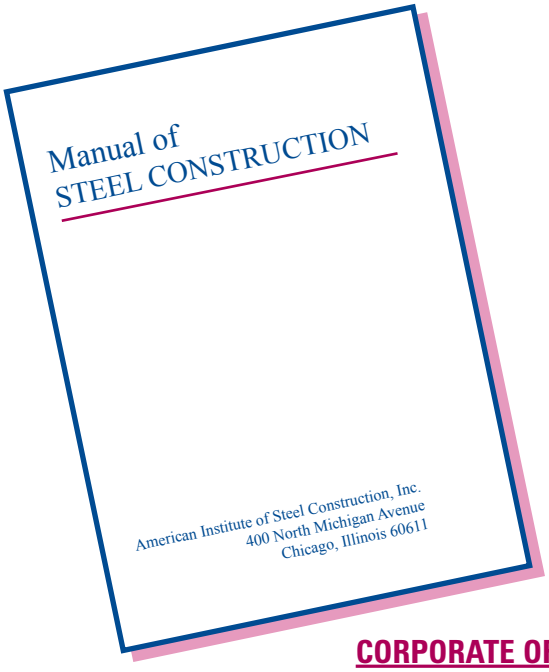
Steel Tubing & Pipe

Stocklist

Totten Tubes, inc.

CORPORATE OFFICE AND DISTRIBUTION CENTER
500 Danlee St., Azusa Ca. 91702
(800) 882-3748, Ph: (626) 812-0220, Fax: (626) 812-0113
www.tottentubes.com



If it's listed here, you'll find it in here!

We either stock or can find **every** tubular section listed in the A.I.S.C. Manual of Steel Construction. You'll always find the square & rectangular shape you're looking for at **TOTTEN**.

CORPORATE OFFICE AND DISTRIBUTION CENTER
500 Danlee St., Azusa Ca. 91702
(800) 882-3748, Ph: (626) 812-0220, Fax: (626) 812-0113
e-mail address: Employee Firstname@tottentubes.com

SAN DIEGO COUNTY BRANCH
HARDIE FOSTER, Branch Mgr. I FLETCHER THORNTON, Sales
8540 Roland Acres Dr. (Off Prospect) Santee, Ca. 92071
Ph: (619) 448-4151, Fax: (619) 448-7840

PHOENIX, ARIZONA BRANCH
PAT HALE, Branch Mgr. / BOB MARCONI, Sales
1605 So. 39th. Ave. Phoenix, Az 85005
Ph: (602) 278-7502, Fax: (602) 278-7593

Totten Tubes, inc.

e-mail address: Employee Firstname@tottentubes.com

SALES

GREG TOTTEN
DENISE BORBON
DEBBIE MURRAY
JOHN SIBLEY
BLANCA GUTIERREZ (SE HABLA ESPAÑOL)

AGENTS SALES

PACIFIC NORTHWEST
JOEL KINNEY
Ph: (541) 549-4553, Fax: (541) 549-4717
ARIZONA
BOB MARCONI
Ph: (480) 497-4232, Fax: (480) 497-4233
MEXICO
GUSTAVO E. CHAVEZ CHAVEZ
Ph: (664) 636-1871, Nextel: 152*146352*2
gus-chavez70@hotmail.com

OUTSIDE SALES

DAVE STUBBS
Orange County, So. Bay

DOUG JOHNSON
Inland Empire

BILL POND
Santa Fe Springs, N. Orange County, Utah Nevada

PAUL TOTTEN
Los Angeles, S.F. Valley, Bakersfield Ventura

SQUARE AND RECTANGULAR TUBING

Formed structural steel tubing is one of the most versatile forms of Structural steel. It's varied applications include piping and conduits, drains and railings, building trusses and scaffolding, columns and bleacher frames. Structural shaped tubing is made from round tubing on specially designed rolls an a reducing mill. It is produced in accordance with mechanical properties and chemical composition requirements of ASTM A500 (cold formed). Normal size range in square is from 1/2 inch to 16 inch, and size range in rectangular tubing is from 1/2 inch x 1 inch to 12 inches x 20 inches.

All sizes smaller than 2" square and equivalent rectangles with wall thicknesses less than 0.120 are manufactured to ASTM A513. Sizes 2" and above with wall thicknesses of 0.120 and heavier are manufactured to ASTM A500.

ENGINEERING DATA FOR STRUCTURAL TUBING

TOLERANCES FOR OUTSIDE DIMENSIONS AND WALL THICKNESS

Largest outside dimension across flats, inches	2 1/2 & under	Over 2 1/2 to 3 1/2 incl.	Over 3 1/2 to 5 1/2 incl.	Over 5 1/2
Tolerance for outside dimensions including convexity or concavity	0.020	0.025	0.030	1%
Wall thickness tolerance	10 percent of nominal wall thickness exclusive of weld area.			

[2]Measurements taken to conformance with outside dimensions, squareness and corner radii shall be taken at least 2" from either end of the section.

For rectangular sections, the tolerance calculated for the larger flat dimensions shall also apply to the smaller dimension. This tolerance may be increased 50% when applied to the smaller dimension, if the radio of cross sectional dimensions is between 1 1/2 and 100% when the radio exceeds 3.

[3]The allowable variation in wall thickness does not apply at the corners.

MAXIMUM TWIST

Specified dimensions of longest side, inches	2 to 2 1/2 incl.	Over 2 1/2 to 4 incl.	Over 4 to 6 incl.	Over 6 to 8 incl.	Over 8
Maximum twist per 3 feet of lenght, inches	.062	.075	.087	.100	.112

[4]Twist is measured either by holding down one end of a square or rectangular tube on a flat surface plate with the bottom side of the tube parallel to the surface plate and noting the difference in height above the surface plate of the two corners at the opposite end of the botton side of the tube or by measuring this difference on the heavier sections by a suitable measuring device.The difference in the height of the corners shall not exceed the above values.Twist measurements are not to be taken within 2 inches of either end of the product.

LENGTHS AND PERMISSIBLE VARIATION

Tube lengths	22 feet and under	Over 22 feet
Length tolerance for specified mill length, inches	1/2 Over & 1/4 Under	3/4 Over & 1/4 Under

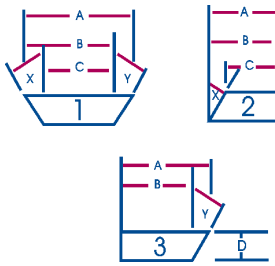
SQUARENESS OF SIDES.... Adjacent sides may deviate from 90 degrees by a tolerance of plus or minus 2 degree maximum.

VARIATIONS FROM EXACT STRAIGHTNESS.... Permissible variation shall be 1/8" times the number of feet of total length divided by 5.

CUTTING DIAGRAM

Please use this diagram when describing your miter (bevel) cutting inquires to our office.

WE MITER TO 60⁰



CHEMICAL COMPOSITION ASTM A500

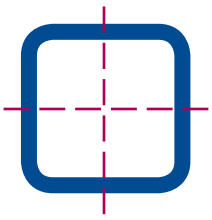
	GRADE B	GRADE C
Carbon, max.%	0.26	0.23
Manganse, max. %	---	1.35
Phosphorous, max. %	0.04	0.04
Sulphur, max. %	0.05	0.05
Copper, when copper steel is specified, min %	0.20	0.20

MECHANICAL PROPERTIES ASTM A500

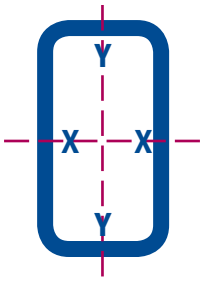
	GRADE B	GRADE C
Tensile Strength, min. psi	58,000	62,000
Yield Point, min. psi	46,000	50,000
Elongation in 2", min. %	23	21

MAXIMUM OUTSIDE CORNER RADII

The radius of any outside corner of the section shall not exceed 3 times the nominal wall thickness.



SQUARE



RECTANGULAR

- All Cold Formed Welded Hollow Structural Sections are produced inaccordance with mechanical and chemical property requirements of ASTM Specification A500, Grades B and C.
- Continuous lengths, splice-free and up through 80 feet, are available.
- Full section properties are shown
- Weight per foot is based on density of steel of 490 lbs. per cubic foot.
- During construction and/or when the top of the column is not covered, it is suggested that a drain or weep hole be provided at the base of the column.
- Information taken from and based on American Institute of Steel Construction, **Manual of Steel Construction**, Eighth Edition.

SQUARE TUBING

Totten Tubes, Inc.

#/FT	WALL	STOCK LENGTHS
3/8 x 3/8		
.2176	.049 CREW	20'-24'
.2740	.065 CREW	20'-24'
1/2 x 1/2		
.301	.049 CREW	20'-24'
.359	.065 HREW BK	20'-24'
.359	.065 GALV	20'-24'
5/8 x 5/8		
.367	.049 CREW	20'-24'
.461	.065 HREW BK	20'-24'
3/4 x 3/4		
.467	.049 GALV	20'-24'
.467	.049 CREW	20'-24'
.568	.065 HREW	20'-24'
.568	.065 GALV	20'-24'
.568	.065 HREW BK	20'-24'
.689	.072 HREW	20'-24'
.753	.083 HREW	20'-24'
.846	.095 HREW	20'-24'
1.028	.120 HREW	20'-24'
.844 x .844		
.660	.065 HREW	20'-24'
7/8 x 7/8		
.550	.049 CREW	20'-24'
.665	.065 HREW	20'-24'
.8940	.083 HREW	20'-24'
1 x 1		
.634	.049 GALV	20'-24'
.634	.049 CREW	20'-24'
.827	.065 HREW KC	20'-24'
.767	.065 GALV	20'-24'
.767	.065 HREW	20'-24'
.944	.075 HREW	20'-24'
1.036	.083 HREW KC	20'-24'
1.169	.095 HREW	20'-24'
1.3210	.109 HREW	20'-24'
1.437	.120 HREW	20'-24'
1.437	.120 HREW KC	20'-24'
2.010	.188 HREW	20'-24'
1-1/8 x 1-1/8		
.7170	.049 CREW	20'-24'
.9370	.065 CREW	20'-24'
1-1/4 x 1-1/4		
.800	.049 CREW	20'-24'
.971	.065 GALV	20'-24'
1.048	.065 HREW KC	20'-24'
1.048	.065 HREW	20'-24'
1.199	.075 HREW	20'-24'
1.318	.083 HREW KC	20'-24'
1.371	.095 HREW	20'-24'
1.6910	.109 HREW	20'-24'
1.894	.120 HREW	20'-24'
1.846	.120 HREW KC	20'-24'
2.713	.188 BW PIPE	20'-24'
1-1/2 x 1-1/2		
.967	.049 CREW	20'-24'
1.175	.065 GALV	20'-24'
1.270	.065 HREW KC	20'-24'
1.175	.065 HREW	20'-24'
1.454	.075 HREW	20'-24'
1.601	.083 HREW KC	20'-24'
1.726	.095 HREW	20'-24'
2.062	.109 HREW	20'-24'
2.254	.120 HREW	20'-24'
2.254	.120 HREW KC	20'-24'
3.352	.188 BW PIPE	20'-24'
3.700	.250 BW PIPE	20'-24'
1-5/8sq 3.31	.175 DOM	20'
1-3/4 x 1-3/4		
1.490	.065 CREW	20'-24'
1.882	.083 CREW	20'-24'
2.138	.095 HREW	20'-24'
2.433	.109 HREW	20'-24'
2.660	.120 HREW	20'-24'
3.842	.188 HREW	20'-24'
2 x 2		
1.300	.049 CREW	20'-24'
1.583	.065 GALV	20'-24'
1.583	.065 HREW	20'-24'
1.712	.065 HREW BK	20'-24'
1.964	.075 HREW	20'-24'
2.143	.083 HREW	20'-24'
2.338	.095 HREW	20'-24'
2.94	.120 HREW	20'-40'
3.071	.125 HREW RK	20'-40'
4.17	.180 STRUC	20'-40'
4.32	.188 HREW RK	20'-40'
5.41	.250 STRUC RK	20'-40'
6.76	.313 STRUC	20'-40'
2-1/4 x 2-1/4		
2.784	.095 HREW	20'-24'
3.613	.120 HREW	20'-40'
5.065	.180 HREW	20'-40'
7.008	.250 HREW	20'-40'
2.38 x 2.38		
3.068	.156 ROPS	20'-24'
2-1/2 x 2-1/2		
2.153	.065 CREW	20'-24'
2.698	.083 HREW	20'-24'
3.76	.120 HREW	20'-40'
3.90	.125 HREW RK	20'-40'
5.40	.180 STRUC	20'-40'
6.87	.188 HREW RK	20'-40'
7.11	.250 STRUC RK	20'-40'
8.15	.313 STRUC	20'-40'
2.530 x 2.530		
7.11	.250 FR. TEL.	20'-24'
3 x 3		
2.594	.065 CREW	20'-24'
3.263	.083 HREW	20'-24'
3.753	.095 HREW	20'-24'
4.57	.120 HREW	20'-24'
4.75	.125 HREW RK	20'-40'
6.63	.180 STRUC	20'-40'
6.87	.188 HREW RK	20'-40'
8.81	.250 STRUC RK	20'-40'
10.58	.313 STRUC	20'-40'
11.74	.375 STRUC	20'-40'
17.60	.500 STRUCT	40'
3.030 x 3.030		
8.81	.250 F R. TEL.	20'-24'
3-1/2 x 3-1/2		
3.852	.083 HREW	20'-24'
5.39	.120 HREW	20'-40'
5.61	.125 HREW RK	20'-40'
7.85	.180 STRUC	20'-40'
8.15	.188 HREW RK	20'-40'
10.51	.250 STRUC RK	20'-40'
12.70	.313 STRUC RK	20'-40'
14.29	.375 STRUC	20'-40'
4 x 4		
5.044	.083HREW	20'-24'
6.21	.120 H REW	20'-40'
6.46	.125 HREW RK	20'-40'
9.08	.180 STRUC	20'-40'
9.42	.188 HREW RK	20'-40'
12.21	.250 STRUC RK	20'-48'
14.83	.313 STRUC	20'-48'
17.27	.375 STRUC	20'-48'
21.63	.500 STRUC	20'-48'
4-1/2 x 4-1/2		
7.15	.125 STRUC	20'-40'
10.70	.188 STRUC	20'-40'
13.91	.250 STRUC	20'-40'
19.82	.375 STRUC	20'-40'
5 x 5		
7.83	.120 HREW	20'-40'
11.50	.180 STRUC	20'-40'
11.97	.188 HREW RK	20'-40'
11.97	.188 ASTM A847	20'-40'
15.62	.250 STRUC	20'-48'
19.02	.313 STRUC	20'-48'
22.37	.375 STRUC	20'-48'
28.43	.500 STRUC	20'-48'
5-1/2 x 5-1/2		
13.25	.188 STRUC	20'- 40'
24.93	.375 STRUC	40'
6 x 6		
9.48	.120 STRUC	20'- 40'
13.98	.180 STRUC	20'- 48'
14.53	.188 HREW RK	20'- 40'
19.02	.250 STRUC	20'- 48'
19.02	.250 HREW RK	20'- 40'
23.34	.313 STRUC	20'- 48'
27.48	.375 STRUC	20'- 48'
35.24	.500 STRUC	20'- 48'
42.26	.625 STRUC	20'- 37'

SQUARE TUBING

	#/FT	WALL	STOCK LENGTHS
7 x 7			
	17.08	.188 STRUC	20'- 48'
	22.42	.250 STRUC	20'-48'
	27.59	.313 STRUC	20'-48'
	32.58	.375 STRUC	20'-48'
	42.05	.500 STRUC	20'-48'
	50.76	.625 HREW	20'-40'
8 x 8			
	19.63	.188 STRUC	20'-48'
	25.82	.250 STRUC	20'-48'
	31.84	.313 STRUC	20- 48'
	37.69	.375 STRUC	20- 48'
	48.85	.500 STRUC	20'- 48'
	59.32	.625 STRUC	20'- 48
9 x 9			
	29.23	.250 STRUC	20'- 48'
	36.10	.313 HREW	20- 48'
	42.79	.375 STRUC	20'- 48'
	55.66	.500 STRUC	20'- 48'
	67.82	.625 STRUC	20'- 48'
10 x 10			
	24.73	.188 STRUC	20'-40'
	32.63	.250 STRUC	20-56'
	40.35	.313 STRUC	20-56'
	47.90	.375 STRUC	20'-56'
	62.46	.500 STRUC	20'-56'
	76.33	.625 STRUC	20'-56'
12 x 12			
	39.43	.250 STRUC	20'- 56'
	48.86	.313 STRUC	20'- 56'
	58.10	.375 STRUC	20'- 56'
	76.07	.500 STRUC	20'- 56'
	93.25	.625 STRUC	20'- 56'
	109.69	.750 STRUC	20'- 56'
14 x 14			
	57.36	.313 STRUC	20'- 56'
	68.31	.375 STRUC	20'- 56'
	89.68	.500 STRUC	20'- 56'
	110.00	.625 STRUC	20'- 40'
16 x 16			
	65.87	.313 STRUC	20'- 56
	78.52	.375 STRUC	20'- 56'
	103.30	.500 STRUC	20- 56'
	127.36	.625 STRUC	20- 56'

Our Web Site is www.tottentubes.com

Special Telescoping Sizes

1-1/8sqx.049 slips over 1sq tube*

1-1/2sqx.109 slips over 1-1/2sq tube*

1-5/8sqx.175 slips over 1-1/4sq tube

1-3/4sqx.109 slips over 1-1/2sq tube*

2sqx.109 slips over 1-3/4sq tube*

2-1/4sqx.109 slips over 2sq tube*

2-1/2sqx.109 slips over 2-1/4sq tube*

2.53sqx.238 slips over 2"sq tube*

3sqx.250FC slips over 2-1/2sq tube*

***Let us recommend the proper wall**

Other sizes can be especially ordered

Part of our 6,000 ton inventory

One of our 9 trucks filled with PIPE

RECTANGULAR TUBING

#/FT	WALL	STOCK LENGTHS
3/8 x 1-1/2		
.771	.065 HREW	20′-24′
1 /2 x 1		
.467	.049 CREW	20′-24′
.563	.065 HREW	20′-24′
.753	.083 HREW	20′-24′
1/2 x 1-1/4		
.7160	.065 HREW	20′-24′
1/2 x 1-1/2		
.634	.049 CREW	20′-24′
.826	.065 CREW	20′-24′
1.035	.083 HREW	20′-24′
1/2 x 2		
1.048	.065 CREW	20′-24′
3/4 x 1-1/2		
.717	.049 CREW	20′-24′
.869	.065 HREW	20′-24′
1.071	.075 HREW	20′-24′
1.176	.083 HREW	20′-24′
1.331	.095 HREW	20′-24′
1.640	.120 HREW	20′-24′
3/4 x 2		
1.158	.065 CREW	20′-24′
1.654	.095 HREW	20′-24′
1 x 1-1/4		
.9370	.065 HREW	20′-24′
1.640	.120 HREW	20′-24′
1 x 1-1/2		
.800	.049 CREW	20′-24′
.971	.065 HREW	20′-24′
1.199	.075 HREW	20′-24′
1.312	.083 HREW	20′-24′
1.371	.095 HREW	20′-24′
1.844	.120 HREW	20′-24′
1 x 2		
.967	.049 CREW	20′-24′
1.175	.065 HREW	20′-24′
1.175	.065 GALV	20′-24′
1.454	.075 HREW	20′-24′
1.600	.083 HREW	20′-24′
1.600	.083 HREW BK	20′-24′
1.815	.095 HREW	20′-24′
2.062	.109 HREW	20′-24′
2.252	.120 HREW	20′-24′
3.352	.188 BW PIPE	20′-24′
4.067	.250 BW PIPE	20′
1 x 2-1/2		
1.490	.065 HREW	20′-24′
1.882	.083 HREW	20′-24′
2.660	.120 HREW	20′-24′
1 x 3		
1.711	.065 CREW	20′-24′
1.84	.075 HREW	20′-24′
2.164	.083 HREW	20′-24′
2.440	.095 HREW	20′-24′
3.068	.120 HREW	20′-24′
4.454	.180 HREW	20′-24′
5.410	.250 HREW	20′-24′
1 x 3-1/2		
2.446	.083 HREW	
3.476	.120 HREW	Special
5.065	.180 HREW	order
1 x 4		
4.038	.120 HREW	20′-24′
1-1/8 x 1-3/4		
1.175	.075 MOLDED CAPRAIL	20′
1-1/4 x 2		
1.379	.065 CREW	20′-24′
1.741	.083 HREW	20′-24′
2.456	.120 HREW	20′-24′
1-1/4 x 2-1/2		
2.863	.083 HREW	20′-24′
1-1/2 x 2		
1.490	.065 CREW	20′-24′
1.643	.075 HREW	20′-24′
1.852	.083 HREW	20′-24′
2.138	.095 HREW	20′-24′
2.660	.120 HREW	20′-24′
3.990	.188 HREW	20′-24′
1-1/2 x 2-1/2		
1.711	.065 CREW	20′-24′
2.135	.083 HREW	20′-24′
3.050	.120 HREW	20′-24′
4.32	.188 STRUC	20′-24′
5.41	.250 STRUC	20′-24′
1-1/2 x 3		
1.931	.065 HREW	20′-24′
2.417	.083 HREW	20′-24′
2.70	.095 HREW	20′-24′
3.19	.109 HREW	20′-24′
3.476	.120 HREW	20′-24′
3.737	.180 STRUC	20′-24′
4.939	.250 STRUC	20′-24′
1-1/2 x 3-1/2		
2.699	.083 HREW	20′-24′
3.90	.120 HREW	20′-24′
5.59	.188 HREW	20′-24′
7.11	.250 HREW	20′-24′
1-1/2 x 4		
2.981	.083 HREW	20′-24′
3.43	.095 HREW	20′-24′
4.292	.120 HREW	20′-24′
6.210	.188 STRUC	20′-24′
8.51	.250 STRUC	20′-24′
2 x 3		
2.153	.065 HREW	20′- 24′
2.474	.075 HREW	20′- 24′
2.699	.083 HREW	20′- 24′
3.106	.095 HREW	20′- 24′
3.76	.120 STRUC	20′-40′
3.90	.125 STRUC RK	20′-40′
5.40	.180 STRUC	20′-40′
5.59	.188 STRUC RK	20′-40′
7.11	.250 STRUC RK	20′-40′
8.15	.313 STRUC	20′-40′
2 x 4		
2.594	.065 HREW	20′-24′
3.263	.083 HREW	20′-24′
4.57	.120 STRUC	20′-40′
4.75	.125 STRUC RK	20′-40′
6.62	.180 STRUC	20′-40′
6.87	.188 STRUC RK	20′-40′
8.81	.250 STRUC RK	20′-40′
10.58	.313 STRUC	20′-40′
11.74	.375 STRUC	20′-40′
2 x 5		
5.39	.120 HREW	20′-40′
5.61	.125 STRUC RK	20′-40′
7.85	.180 STRUC	20′-56′
8.15	.188 STRUC RK	20′-40′
10.51	.250 STRUC	20′-40′
12.70	.313 STRUC	20′-40′
14.29	.375 STRUC	20′-40′
2 x 6		
4.320	.083 HREW	20′-40′
6.21	.125 HREW	20′-40′
6.46	.125 STRUC RK	20′-40′
9.08	.180 STRUC RK	20′-40′
12.21	.250 STRUC RK	20′-40′
14.83	.313 STRUC	20′-40′
17.27	.375 STRUC	20′-40′
2 x 8		
7.961	.120 STRUC	20′-40′
11.51	.180 STRUC	20′-40′
15.62	.250 STRUC	20′-40′
19.08	.313 STRUC	20′-40′
22.37	.375 STRUC	20′-40′
2 x 10		
14.53	.188 STRUC	20′-40′
19.02	.250 STRUC	20′-40′
27.59	.313 STRUC	20′-40′
32.58	.375 STRUC	20′-40′
2 x 12		
17.08	.188 STRUC	20′-40′
22.42	.250 STRUC	20′-40′
32.58	.375 STRUC	20′-40′
2-1/2 x 3		
4.292	.120 HREW	20′-40′
6.210	.188 HREW	20′-40′
2-1/2 x 3-1/2		
4.75	.120 HREW	20′-40′
6.87	.188 HREW	20′-40′
8.81	.250 HREW	20′-40′

RECTANGULAR TUBING

Totten Tubes, Inc.

#/FT	WALL	STOCK LENGTHS
2-1/2 x 4		
5.110	.120 HREW	20'- 40'
7.482	.180 HREW	20'- 40'
9.652	.250 HREW	20'- 40'
2-1/2 x 5		
5.923	.120 HREW	20'- 40'
8.753	.188 HREW	20'- 40'
11.351	.250. HREW	20'- 40'
3 x 4		
3.80	.083 HREW	20'- 40'
5.39	.120 STRUC	20'- 40'
5.61	.125 STRUC RK	20'- 40'
7.85	.180 STRUC	20'- 40'
8.15	.188 STRUC RK	20'- 40'
10.51	.250 STRUC RK	20'- 40'
12.70	.313 STRUC	20'- 40'
14.29	.375 STRUC	20'- 40'
3 x 5		
6.21	.120 STRUC	20'- 40'
6.46	.125 STRUC RK	20'- 40'
9.08	.180 STRUC	20'- 40'
9.42	.188 STRUC RK	20'- 40'
12.21	.250 STRUC	20'- 40'
14.83	.313 STRUC	20'- 40'
17.27	.375 STRUC	20'- 40'
21.63	.500 STRUC	20'- 40'
3 x 6		
7.02	.120 HREW	20'- 40'
10.03	.180 STRUC	20'- 40'
13.91	.250 STRUC	20'- 40'
16.96	.313 STRUC	20'- 40'
19.82	.375 STRUC	20'- 40'
25.01	.500 STRUC	20'- 40'
3 x 7		
11.97	.188 STRUC	20'- 40'
15.62	.250 STRUC	20'- 40'
19.18	.313 STRUC	20'- 40'
22.37	.375 STRUC	20'- 40'
28.43.500 STRUC		20'- 40'
3 x 8		
13.25	.188 STRUC	20'- 40'
17.32	.250 STRUC	20'- 40'
21.21	.313 STRUC	20'- 48'
24.93	.375 STRUC	20'- 48'
31.84	.500 STRUC	20'- 48'
3 x 9		
19.02	.250 STRUC	20'- 37'
23.34	.313 STRUC	20'- 37'
27.48	.375 STRUC	20'- 37'
35.24.500 STRUC		20'- 37'
3 x 10		
15.80	.188 STRUC	20'- 40'
20.72	.250 STRUC	20'- 40'
30.03	.375 STRUC	20'- 37'
41.49.500 STRUC		20'- 37'
3 x 12		
18.35	.188 STRUC	20'- 40'
24.12	.250 STRUC	20'- 40'
35.14	.375 STRUC	20'- 37'
44.19.500 STRUC		20'- 37'
4 x 5		
10.70	.188 STRUC	20'- 40'
13.91	.250 STRUC	20'- 40'
16.96	.313 STRUC	20'- 40'
19.82	.375 STRUC	20'- 40'
4 x 6		
7.83	.120 STRUC	20'- 40'
11.50	.180 STRUC	20'- 48'
15.62	.250 STRUC	20' -48'
19.08	.313 STRUC	20'- 48'
22.37	.375 STRUC	20'- 48'
28.43	.500 STRUC	20'- 48'
4 x 7		
13.25	.188 STRUC	20'- 40'
17.32	.250 STRUC	20'- 40'
24.93	.375 STRUC	20'- 40'
31.84	.500 STRUC	20'- 40'
4 x 8		
9.48	.120 STRUC	20'-40'
13.96	.180 STRUC	20'- 40'
19.02	.250 STRUC	20'- 48'
23.34	.313 STRUC	20'- 48'
27.48	.375 STRUC	20'- 48'
35.24	.500 STRUC	20'- 48'
42.27.625 STRUC		20'- 48'
4 x 10		
17.08	.188 STRUC	20'- 40'
22.42	.250 STRUC	20'- 48'
27.59	.313 STRUC	20'- 48'
32.58	.375 STRUC	20'- 48'
42.05	.500 STRUC	20'- 48'
50.76	.625 STRUC	20'- 37'
4 x 12		
19.63	.188 STRUC	20'- 48'
25.82	.250 STRUC	20'- 48'
31.84	.313 STRUC	20'- 48'
37.69	.375 STRUC	20'- 48'
48.85	.500 STRUC	20'- 48'
59.32	.625 STRUC	20'- 48'
4 x 14		
29.23	.250 STRUC	20'- 56'
36.10	.313 STRUC	20'- 56'
42.79	.375 STRUC	20'- 56'
55.66	.500 STRUC	20'- 56'
4 x 16		
40.35	.313 STRUC	20'- 56'
47.90	.375 STRUC	20'- 56'
62.46	.500 STRUC	20'- 56'
4 x 20		
48.86	.313 STRUC	20'- 56'
58.10	.375 STRUC	20'- 56'
76.07	.500 STRUC	20'- 56'
5 x 7		
14.53	.188 STRUC	20'- 40'
19.02	.250 STRUC	20'- 48'
23.34	.313 STRUC	20'- 48'
27.48	.375 STRUC	20'- 48'
35.24	.500 STRUC	20'- 48'
5 x 9		
22.42	.250 STRUC	20'- 37'
27.59	.313 STRUC	20'- 37'
32.58	.375 STRUC	20'- 37'
42.05	.500 STRUC	20'- 37'
50.76	.625 STRUC	20'-37'
5 x 10		
18.35	.188 STRUC	20'- 40'
24.12	.250 STRUC	20'- 40'
35.14	.375 STRUC	20'- 37'
44.19	.500 STRUC	20'-37'
55.06	.625 STRUC	20'-37'
6 x 8		
17.08	.188 STRUC	20'- 56'
22.42	.250 STRUC	20'- 56'
27.59	.313 STRUC	20'- 56'
32.58	.375 STRUC	20'- 56'
42.05	.500 STRUC	20'- 56'
50.76	.625 STRUC	20'- 37'
6 x 9		
	SPECIAL SIZE INQUIRE	
6 x 10		
19.63	.188 STRUC	20'- 56'
25.82	.250 STRUC	20'- 56'
31.84	.313 STRUC	20'- 56'
37.69	.375 STRUC	20'- 56'
48.85	.500 STRUC	20'- 56'
59.32	.625 STRUC	20'- 56'
6 x 10		
22.18	.188 STRUC	20'- 48'
29.23	.250 STRUC	20'- 48'
36.10	.313 STRUC	20'- 48'
42.79	.375 STRUC	20'- 48'
55.66	.500 STRUC	20'- 48'
67.82	.625 STRUC	20'- 48'
6 x 14		
32.63	.250 STRUC	20'- 56'
47.90	.375 STRUC	20'- 56'
40.35	.313 STRUC	20'- 56'
62.46	.500 STRUC	20'- 56'
76.33	.625 STRUC	40'
6 x 18		
48.86	.313 STRUC	20'- 56'
58.10	.375 STRUC	20'- 56'
76.07	.500 STRUC	20'- 56'
93.25	.625 STRUC	28'
7 x 9		
19.63	.188 STRUC	20'- 40'
25.82	.250 STRUC	20'- 40'
37.69	.375 STRUC	20'- 37'
48.85	.500 STRUC	20'- 37'

RECTANGULAR TUBING

	#/FT	WALL	STOCK LENGTHS
	59.32	.625 STRUC	40′
8 x 10			
	22.18	.188 STRUC	20′- 48′
	29.23	.250 STRUC	20′- 48′
	36.10	.313 STRUC	20′- 48′
	42.79	.375 STRUC	20′- 48′
	55.66	.500 STRUC	20′- 48′
	67.82	.625 STRUC	20′- 40′
8 x 12			
	24.73	.188 STRUC	20′- 48′
	32.63	.250 STRUC	20′- 48′
	40.35	.313 STRUC	20′- 48′
	47.90	.375 STRUC	20′- 48′
	62.46	.500 STRUC	20′- 48′
	76.33	.625 STRUC	20′- 48′
8 x 16			
	48.86	.313 STRUC	20′- 56′
	58.10	.375 STRUC	20′- 56′
	76.07	.500 STRUC	20′- 56′
8 x 20			
	57.45	.313 STRUC	20′- 56′
	68.31	.375 STRUC	20′- 56′
	89.68	.500 STRUC	20′- 56′
	110.35	.625 STRUC	40′
10 x 14			
	39.43	.250 STRUC	20′- 56′
	48.86	.313 STRUC	20′- 56′
	58.10	.375 STRUC	20′- 56′
	76.07	.500 STRUC	20′- 56′
	93.25	.625 STRUC	20′- 56′
12 x 16			
	57.36	.313 STRUC	20′- 56′
	68.31	.375 STRUC	20′- 56′
	89.68	.500 STRUC	20′- 56′
	110.35	.625 STRUC	40′- 48′
12 x 20			
	65.87	.313 STRUC	20′- 56′
	78.52	.375 STRUC	20′- 56′
	103.30	.500 STRUC	20′- 56′
	127.30	.625 STRUC	20′- 40′

WE ARE PROUD TO BE A KLEENKOTE DISTRIBUITOR

KleenKote tubing is used in various equipment and fabrication applications. The primary benefit of the product is, that it greatly reduces or eliminates time spent in a manufacturer's cleaning operation prior to additional painting. Additional benefits include:

- **Prolonged storage life.**
- **Reduced amounts of solvents and cleaners needed.**
- **Reduced material handling.**
- **Easier weld spatter removal.**
- **Easier marking and layout.**
- **Easier compliance with OSHA and EPA regulations.**
- **Size Range= 1"sq to 10"sq**

KleenKote tubing is mechanically cleaned, degreased, and pre-primer coated in accordance with a patented in-line process. This process ensures consistency and uniformity of product with each production run.

We stock it in black & red and can supply it in other colors that are available from our mill source.

Paul Hobbs - Bay 4

An inside look at our facility

We stock tons of short remnants

ROUND TUBING

SEAMLESS AND WELDED PRESSURE AND MECHANICAL TUBING

MECHANICAL TUBING

Mechanical tubing is used for mechanical and structural applications and for machining purposes. It is produced in a wide variety of diameters and wall thicknesses. The steel used in the production of mechanical tubing ranges from plain low carbon through sophisticated alloy grades.

An electric resistance welded tubing made from low carbon steel. Walls heavier than 18 ga. are produced from hot rolled steel, walls 18 ga. and lighter are cold rolled. Offers good surface finish and forming qualities. OD flash removed on all sizes. ID is flash-in. No color identification. Meets ASTM A513 Type 1 (HR) OR Type 2 (CR).

Common specifications for seamless and welded mechanical tubing are as follows:

ASTM A-519 --- Seamless carbon and alloy tubing in many grades including low carbon MT-1010, MT-1015, MT-1020, and alloy 4130, 4140, and 8630 and others

ASTM A-513 --- ERW carbon and alloy tubing in many grades of carbon steel 1008 to 1035 and alloy 4130 and 8630. This specification includes welded tubing drawn over mandrel (DOM).

Mechanical tubing is manufactured by the seamless process in cold drawn (CD) and hot finished (HF); and by the welded process in cold drawn buttweld, hot rolled electric weld, cold rolled electric weld and drawn over mandrel. All pressure and mechanical tubing sizes are designated by exact O.D. measurement and wall thickness expressed in gauge, decimals, or fractions of an inch.

PRESSURE TUBING

Pressure tubing is intended for use in boilers, super heaters, oil stills, heat exchangers, or condensers. Seamless pipe sizes 1/8 inch to 1-1/2 inch nominal in all schedules and double extra heavy are classified as pressure tubing and are manufactured under ASTM Specification A-106.

Common specifications for seamless and welded pressure tubing are as follows:

SEAMLESS BOILER TUBING
ASTM A-179 --- Heat exchanger and condenser tubes
ASTM A-192 --- Boiler tubes for high pressure service

SEAMLESS HYDRAULIC TUBING
*AMS-5050-E
*SAE-1010
*JIC Standards

WELDED BOILER TUBING
A-178 --- ERW boiler tubes.
A-214 --- ERW heat exchanger and condenser tubes.

SEAMLESS STEEL PRESSURE TUBING
ASTM A-106 A & B

ROUND TUBING

	#/FT	WALL	STOCK LENGTHS
3/8			
	.1271	.035CREW	20'- 24'
	.1706	.049CREW	20'- 24'
1/2			
	.1738	.035 CREW	20'- 24'
	.2360	.049 CREW	20'- 24'
	.3020	.065 CREW	20'- 24'
5/8			
	.2205	.035 CREW	20'- 24'
	.3014	.049 CREW	20'
	.3888	.065 HREW	20'- 24'
	.4805	.083 HREW	20'- 24'
3/4			
	.2673	.035 CREW	20'- 24'
	.3668	.049 CREW	20'- 24'
	.4755	.065 CREW	20'- 24'
	.5913	.083 HREW	20'- 24'
	.6646	.095 HREW	20'- 24'
	.8074	.120 HREW	20'- 24'
7/8			
	.4323	.049 CREW	20'- 24'
	.5623	.065 HREW	20'- 24'
	.6410	.075 HREW	20'- 24'
	.7020	.083 HREW	20'- 24'
	.7920	.095 HREW	20'- 24'
	.9676	.120 HREW	20'- 24'
1			
	.3607	.035 CREW	20'- 24'
	.4977	.049 CREW	20'- 24'
	.6296	.058 4130 ALLOY	17- 24'
	.6491	.065 CREW	20'- 24'
	.7410	.072 HREW	20'- 24'
	.8129	.083 CREW	20'- 24'
	.9182	.095 HREW	20'- 24'
	1.037	.109 HREW	20'- 24'
	1.128	.120 HREW	20'- 24'
1-1/8			
	.5631	.049 CREW	20'- 24'
	.7359	.065 CREW	20'- 24'
	.8410	.075 HREW	20'- 24'
	.9237	.083 HREW	20'- 24'
	1.288	.120 HREW	20'- 24'
1-1/4			
	.6285	.049 CREW	20'- 24'
	.8226	.065 HREW	20'- 24'
	1.033	.075 HREW	20'- 24'
	1.034	.083 HREW	20'- 24'
	1.172	.095 HREW	20'- 24'
	1.448	.120 HREW	20'- 24'
1-3/8			
	.6939	.049 CREW	20'- 24'
	.9094	.065 CREW	20'- 24'
	1.041	.075 HREW	20'- 24'
	1.608	.120 HREW	20'- 24'
1-1/2			
	.5476	.035 CREW	20'- 24'
	.7593	.049 CREW	20'- 24'
	.9962	.065 CREW	20'- 24'
	1.256	.075 HREW	20'- 24'
	1.256	.083 HREW	20'-24
	1.426	.095 HREW	20'- 24'
	1.769	.120 HREW	20'- 24'
	2.634	.180 HREW	20'
1-5/8			
	.8248	.049 CREW	20'- 24'
	1.083	.065 CREW	20'- 24'
	1.241	.075 HREW	20'- 24'
	1.367	.083 HREW	20'- 24'
	1.552	.095 HREW	20'- 24'
	1.929	.120 HREW	20'- 24'
1-3/4			
	.8902	.049 CREW	20'- 24'
	1.170	.065 HREW	20'- 24'
	1.478	.083 HREW	20'- 24'
	1 679	.095 HREW	20'- 24'
	2.089	.120 HREW	20'- 24'
1-7/8			
	.6878	.035 CREW FR	20'- 24'
	.95556	.049 CREW FR	20'- 24'
	1.257	.065 CREW	20'- 24'
	1.806	.095 HREW	20'- 24'
	2.056	.109 HREW	20'- 24'
	2.249	.120 HREW	20'- 24'
2			
	1.021	.049 CREW	20'- 24'
	1.343	.065 CREW	20'- 24'
	1.699	.083 HREW	20'- 24'
	1.933	.095 HREW	20'- 24'
	2.409	.120 HREW	20'- 24'
2-1/8			
	1.086	.049 CREW	20'- 24'
	2.570	.120 HREW	20'- 24'
2-1/4			
	1.152	.049 CREW	20'- 24'
	1.517	.065 CREW FC	20'- 24'
	2.186	.095HREW	20'- 24'
	2.730	.120 HREW	20'- 24'
2-3/8			
	1.604	.065 CREW FC	20'- 24'
	2.890	.120 HREW	20'- 24'
2-1/2			
	1.283	.049 CREW	20'- 24'
	1.690	.065 HREW	20'- 24'
	2.143	.083 HREW	20'- 24'
	2.440	.095 HREW	20'- 24'
	3.050	.120 HREW	20'- 24'
3			
	1.544	.049 CREW	20'- 24'
	2.037	.065 CREW	20'- 24'
	2.586	.083 HREW	20'- 24'
	2.947	.095 HREW	20'- 24'
	3.691	.120 HREW	20'- 24'
	5.4212	.180 HREW	20'- 24'
3-1/2			
	1.806	.049 CREW	20'- 24'
	2.385	.065 CREW	20'- 24'
	4.332	.120 HREW	20'- 24'
	6.650	.180 HREW	20'- 24'
4			
	2.732	.065 HREW	20'- 24'
	3.472	.083 HREW	20'- 24'
	4.973	.120 HREW	20'- 24'
	5.533	.134 HREW	20'- 24'
	7.344	.180 HREW	20'- 24'
	10.06	.250 HREW	20'- 24'
4-1/2			
	3.070	.065 HREW	20'- 24'
	5.613	.120 HREW	20'- 24'
	8.305	.180 HREW	20'- 24'
5			
	3.426	.065 HREW	20'- 24'
	4.359	.083 HREW	20'- 24'
	6.254	.120 HREW	20'- 24'
	9.266	.180 HREW	20'- 24'
	12.60	.250 HREW	20'- 24'
6			
	4.120	.065 CREW FR	20'- 24'
	7.360	.120 HREW FR	20'- 24'
	11.19	.180 HREW FR	20'- 24'
	15.35	.250 HREW	20'- 24'
8			
	7.020	.075 HREW	20'- 24'
	9.190	.083 HREW	20'- 24'
	10.099	.120 HREW	20'- 24'
10			
	7.630	.075 HREW	20'- 24'
	12.662	.120 HREW	20'- 24'

Connie Keast - Purchasing Manager

DOM MECHANICAL TUBING

OD	WALL	WF/FT
0.125		
	0.028	0.030
0.313		
	0.083	0.200
0.375		
	0.035	0.130
	0.049	0.170
	0.058	0.200
	0.065	0.220
	0.083	0.260
	0.095	0.280
	0.120	0.330
0.438		
	0.028	0.120
	0.058	0.240
	0.083	0.310
	0.095	0.350
	0.120	0.410
0.500		
	0.028	0.140
	0.035	0.170
	0.049	0.240
	0.058	0.270
	0.065	0.300
	0.083	0.370
	0.095	0.410
	0.120	0.490
	0.125	0.500
	0.134	0.520
	0.156	0.570
	0.188	0.630
0.563		
	0.049	0.270
	0.065	0.350
	0.083	0.430
	0.095	0.470
	0.120	0.570
0.625		
	0.035	0.220
	0.049	0.300
	0.058	0.350
	0.065	0.390
	0.083	0.480
	0.095	0.540
	0.109	0.600
	0.120	0.650
	0.125	0.650
	0.134	0.700
	0.156	0.780
	0.188	0.880
0.688		
	0.083	0.540
	0.095	0.600
	0.120	0.730
0.750		
	0.035	0.270
	0.049	0.370
	0.058	0.430
	0.065	0.480
	0.083	0.590
	0.095	0.660
	0.109	0.750
	0.120	0.810
	0.134	0.880
	0.156	0.990
	0.188	1.130
	0.219	1.240
	0.250	1.340
0.813		
	0.065	0.520
	0.083	0.650
	0.095	0.730
	0.109	0.820
	0.125	0.920
0.875		
	0.049	0.430
	0.058	0.510
	0.065	0.560
	0.083	0.700
	0.095	0.790
	0.109	0.890
	0.120	0.970
	0.156	1.200
	0.188	1.380
	0.219	1.530
	0.250	1.670
0.938		
	0.095	0.850
	0.120	1.050
	0.134	1.150
	0.156	1.300
	0.188	1.500
	0.250	1.810
1.000		
	0.035	0.360
	0.049	0.500
	0.058	0.058
	0.065	0.065
	0.083	0.810
	0.095	0.920
	0.109	1.040
	0.120	1.130
	0.125	1.170
	0.134	1.240
	0.156	1.410
	0.188	1.630
	0.219	1.830
	0.250	2.000
	0.281	1.260
	0.313	2.300
1.063		
	0.065	0.690
	0.083	0.870
	0.120	1.210
	0.134	1.330
	0.156	1.510
	0.188	1.760
	0.250	2.170
1.125		
	0.049	0.560
	0.065	0.740
	0.083	0.920
	0.095	1.050
	0.109	1.180
	0.120	1.290
	0.134	1.410
	0.156	1.610
	0.188	1.880
	0.219	2.120
	0.250	2.340
	0.281	2.530
	0.313	2.710
1.188		
	0.065	0.780
	0.083	0.980
	0.095	1.110
	0.120	1.370
	0.156	1.720
	0.188	2.010
	0.250	2.500
	0.313	2.920
1.250		
	0.035	0.450
	0.049	0.630
	0.065	0.820
	0.083	1.030
	0.095	1.170
	0.109	1.330
	0.120	1.450
	0.125	1.500
	0.134	1.600
	0.156	1.820
	0.188	2.130
	0.219	2.410
	0.245	2.410
	0.250	2.670
	0.281	2.910
	0.305	3.130
	0.313	3.130
	0.344	3.330
	0.375	3.500
1.313		
	0.065	0.870
	0.109	1.400
	0.120	1.530
	0.156	1.930
	0.134	1.690
	0.188	2.260
	0.313	3.340
1.375		
	0.065	0.910
	0.095	1.300
	0.109	1.470
	0.120	1.610
	0.134	1.780
	0.156	2.030
	0.188	2.380
	0.219	2.700
	0.250	3.000
	0.281	3.280
	0.313	3.550
	0.375	4.010
1.438		
	0.120	1.690
	0.188	2.510
	0.219	2.850
	0.250	3.170
1.500		
	0.035	0.550
	0.065	1.000
	0.083	1.260
	0.095	1.430
	0.109	1.620
	0.120	1.770
	0.125	1.840
	0.134	1.950
	0.156	2.240
	0.188	2.630
	0.219	3.000
	0.250	3.340
	0.281	3.660
	0.313	3.970
	0.344	4.250
	0.375	4.510
1.563		
	0.120	1.850
	0.156	2.340
	0.188	2.760
	0.250	3.500
1.625		
	0.065	1.080
	0.095	1.550
	0.109	1.760
	0.120	1.930
	0.134	2.130
	0.156	2.450
	0.188	2.890
	0.219	3.290
	0.250	3.670
	0.313	4.390
	0.375	5.010
1.688		
	0.375	5.260
1.750		
	0.049	0.890
	0.065	1.170
	0.083	1.480
	0.095	1.680
	0.109	1.910
	0.120	2.090
	0.125	2.170
	0.134	2.320
	0.156	2.660
	0.188	3.140
	0.219	3.580
	0.250	4.010
	0.281	4.410
	0.313	4.800
	0.375	5.510
	0.438	6.140
	0.500	6.680
1.813		
	0.250	4.170
1.875		
	0.065	1.260
	0.095	1.810
	0.120	2.250
	0.156	2.860
	0.188	3.390
	0.219	3.870
	0.250	4.340
	0.281	4.780
	0.313	5.220
	0.375	6.010
	0.438	6.720

DOM MECHANICAL TUBING

OD	WALL	WF/FT
2.000		
	0.049	1.020
	0.065	1.340
	0.083	1.700
	0.095	1.930
	0.109	2.200
	0.120	2.410
	0.125	2.500
	0.134	2.670
	0.156	3.070
	0.188	3.670
	0.219	4.170
	0.250	4.670
	0.281	5.160
	0.313	5.640
	0.344	6.080
	0.375	6.510
	0.438	7.310
	0.500	8.010
	0.625	9.180
2.125		
	0.065	1.430
	0.083	1.810
	0.095	2.060
	0.120	2.570
	0.156	3.280
	0.188	3.840
	0.219	4.460
	0.250	5.010
	0.313	6.060
	0.375	7.010
	0.500	8.680
2.250		
	0.065	1.520
	0.095	2.190
	0.109	2.490
	0.120	2.730
	0.125	2.840
	0.134	3.030
	0.156	3.490
	0.188	4.140
	0.219	4.750
	0.250	5.340
	0.281	5.910
	0.313	6.400
	0.344	7.000
	0.375	7.510
	0.438	8.480
	0.500	9.350
	0.625	10.850
2.375		
	0.065	1.600
	0.095	2.310
	0.120	2.890
	0.156	3.700
	0.188	4.390
	0.219	5.040
	0.250	5.670
	0.281	6.280
	0.313	6.890
	0.375	8.010
	0.438	9.060
	0.500	10.010
2.438		
	0.250	6.010

OD	WALL	WF/FT
2.500		
	0.065	1.690
	0.083	2.140
	0.095	2.440
	0.109	2.780
	0.120	3.050
	0.125	3.170
	0.134	3.390
	0.156	3.910
	0.188	3.640
	0.219	5.340
	0.250	6.010
	0.281	6.660
	0.313	7.310
	0.375	8.510
	0.438	9.650
	0.500	10.680
	0.563	11.650
	0.625	12.520
2.563		
	0.250	6.170
2.625		
	0.065	1.780
	0.120	3.210
	0.188	4.890
	0.250	6.340
	0.313	7.730
	0.375	9.010
	0.438	10.230
	0.500	11.350
2.750		
	0.065	1.860
	0.095	2.690
	0.120	3.370
	0.125	3.500
	0.188	5.140
	0.219	5.920
	0.250	6.680
	0.313	8.150
	0.344	8.840
	0.375	9.510
	0.438	10.820
	0.500	12.020
	0.563	13.150
	0.625	14.180
2.875		
	0.120	3.530
3.000		
	0.083	2.590
	0.095	2.950
	0.120	3.690
	0.134	4.100
	0.188	5.650
	0.219	6.500
	0.250	7.340
	0.281	8.160
	0.313	8.980
	0.375	10.510
	0.438	11.980
	0.500	13.350
	0.625	15.850
3.125		
	0.125	4.010
	0.188	5.900

OD	WALL	WF/FT
	0.250	7.680
	0.313	9.400
	0.375	11.010
	0.438	12.570
	0.500	14.020
3.250		
	0.065	2.210
	0.095	3.200
	0.120	4.010
	0.125	4.170
	0.134	4.450
	0.188	6.180
3.375		
	0.188	6.400
	0.250	8.340
	0.313	10.240
	0.375	12.020
	0.500	15.350
3.500		
	0.065	2.380
	0.083	3.030
	0.095	3.450
	0.120	4.330
	0.125	4.510
	0.134	4.820
	0.156	5.570
	0.188	6.650
	0.219	7.670
	0.250	8.680
	0.313	10.650
	0.375	12.520
	0.438	14.320
	0.500	16.020
	0.625	19.190
3.625		
	0.188	6.900
	0.250	9.010
	0.313	11.070
	0.375	13.020
	0.438	14.910
	0.500	16.690
	0.625	20.030
3.750		
	0.120	4.650
	0.188	7.150
	0.250	9.350
	0.313	11.490
	0.375	13.520
	0.438	15.490
	0.500	17.360
	0.625	20.860
3.875		
	0.188	7.400
	0.250	9.680
	0.375	14.020
	0.500	18.020
4.000		
	0.065	2.730
	0.083	3.470
	0.095	3.960
	0.120	4.970
	0.125	5.170
	0.134	5.530
	0.156	6.400

OD	WALL	WF/FT
	0.188	7.650
	0.219	8.840
	0.250	10.010
	0.313	12.330
	0.375	14.520
	0.438	16.660
	0.500	18.690
	0.563	20.670
	0.625	22.530
4.125		
	0.188	7.900
	0.250	10.350
	0.313	12.740
	0.438	17.250
4.250		
	0.095	4.220
	0.125	5.510
	0.188	8.160
	0.250	10.680
	0.375	15.520
	0.438	17.830
	0.500	20.030
	0.625	24.200
4.375		
	0.188	8.410
	0.500	20.690
	0.625	25.030
4.500		
	0.120	5.610
	0.125	5.840
	0.134	6.250
	0.188	8.660
	0.219	10.010
	0.250	11.350
	0.313	14.000
	0.375	16.520
	0.438	19.000
	0.500	21.360
	0.625	25.870
4.625		
	0.188	8.910
	0.250	11.680
	0.313	14.410
4.750		
	0.120	5.930
	0.125	6.170
	0.188	9.160
	0.250	12.020
	0.313	14.830
	0.375	17.520
	0.438	20.170
	0.500	22.700
	0.625	27.530
5.000		
	0.120	6.250
	0.125	6.510
	0.188	9.660
	0.250	12.680
	0.313	15.670
	0.375	18.520
	0.438	21.340
	0.500	24.030
	0.625	29.200

DOM MECHANICAL TUBING

OD	WALL	WF/FT
5.125		
	0.313	16.090
	0.500	24.700
5.250		
	0.120	6.570
	0.125	6.840
	0.250	13.350
	0.313	16.500
	0.375	19.520
	0.500	25.370
	0.625	30.870
5.500		
	0.120	6.900
	0.188	10.670
	0.250	14.020
	0.313	17.340
	0.375	20.530
	0.500	26.700
	0.625	32.540
5.750		
	0.120	7.220
	0.188	11.170
	0.250	14.690
	0.375	21.530
	0.500	28.040
	0.625	34.210
6.000		
	0.125	7.840
	0.188	11.670
	0.250	15.350
	0.313	19.010
	0.375	22.530
	0.500	29.370
	0.625	35.880

OD	WALL	WF/FT
6.250		
	0.120	7.860
	0.188	12.170
	0.250	16.020
	0.375	23.530
	0.500	30.710
	0.625	37.550
6.500		
	0.188	12.670
	0.250	16.690
	0.375	24.530
	0.500	32.040
	0.625	39.220
6.625		
	0.375	25.030
6.750		
	0.250	17.360
	0.375	25.530
	0.500	33.380
	0.625	40.880
7.000		
	0.188	13.680
	0.250	18.020
	0.375	26.530
	0.500	34.710
	0.625	42.440
7.250		
	0.188	14.180
	0.250	18.690
	0.500	36.050
	0.625	44.220
7.500		
	0.250	19.360
	0.375	28.540

OD	WALL	WF/FT
	0.500	37.380
7.750		
	0.250	20.030
	0.313	24.860
	0.375	29.540
	0.500	38.710
8.000		
	0.250	20.690
	0.375	30.540
	0.500	40.050
	0.625	49.230
8.250		
	0.250	21.360
	0.375	31.540
	0.500	41.390
8.500		
	0.250	22.030
	0.375	32.540
	0.500	42.720
8.750		
	0.375	33.540
	0.500	44.060
9.000		
	0.250	23.360
	0.375	34.540
	0.500	45.390
9.250		
	0.375	35.560
	0.500	46.730
	0.625	57.570
9.500		
	0.250	24.700
	0.375	36.550

OD	WALL	WF/FT
	0.500	48.060
9.750		
	0.375	37.550
	0.500	49.390
10.000		
	0.250	26.030
	0.375	38.550
	0.500	50.730
10.500		
	0.500	53.400
11.000		
	0.500	56.070
12.000		
	0.375	46.560
	0.500	61.410

GUIDE SELECTION

COLD DRAWN SEAMLESS

Is made from 1026 steel in sizes through 9-1/2" OD, from 0.28 max. carbon steel in size over 9-1/2" OD. Manufactured to OD and ID dimensions, except as noted in size listing. Furnished in "as drawn" condition. Cold drawn seamless offers good surface quality and increased mechanical properties over hot finished seamless tubing. No color identification. Meets ASTM A519.

HOT FINISHED SEAMLESS

Is made from 1026 steel. It is lower in cost than cold drawn and most applicable where precise dimensions and surface quality are of secondary importance. As an industry standard, HF seamless is manufactured to OD and wall dimensions. No color identificatioin. Meets ASTM A519.

DOM (DRAWN-OVER-MANDREL)

Is a cold drawn electric resistance welded tube with all flash removed. Each tube is tested for soundness of weld. Preferred over seamless tubing for it's excellent OD & ID concentricity. Normalizing and cold drawn over a mandrel makes DOM a uniform and precision product. Made from 1020 steel in walls 10 ga. and lighter; from 1026 steel in walls heavier than 10 ga. Furnished in "as drawn" condition. Manufactured to OD and ID dimensions except as noted in size listing. No color identification. Meets ASTM A513 Type 5.

BUTTWELD

Produced from continuous welded pipe. Does not offer the inherent strength in the weld area of an electric resistance welded product. Made from low carbon SRA steel. Machinability and mechanical properties are reduced as a result of lower carbon content. No color identification. Meets ASTM A512.

ELECTRICAL RESISTANCE WELDED (ERW)

Is produced from low carbon steel. Tubing with walls heavier than 18 ga. is produced from hot rolled steel; tubing with walls 18 ga. and lighter is produced from cold rolled steel. Furnished in "as-welded" condition. OD flash removed on all sizes. For round tubing 1" OD & larger ID flash controlled to 0.010" to 0.015" (depending on O.D.) Sizes under 1" OD and all square and rectangles are flash-in. ERW is the lowest cost of all mechanical tubing. Manufactured to OD and wall dimensions. No color identification. Meets ASTM A513 Type 1 (HR) or Type 2 (CR).

ROUND BLACK PIPE, PLAIN END

SIZE	#FT.	O.D. X WALL X LENGTH	SPEC.
1/8" SCH 40	0.2447	0.405" x 0.068 x 21'	HF A-53A
3/8" SCH 40	0.5676	0.675" x 0.091 x 21'	HF A-53A
1/2" SCH 40	0.850	0.840" x 0.109 x 21'	HF A-53A
1/2" SCH 80	1.088	0.840" x 0.147 x 21'	HF A-53A
*3/4" SCH 40	1.131	1.050" x 0.113 x 21'	HF A-53A
*3/4" SCH 40	1.131	1.050" x 0.113 x 21'	HF A-53A
3/4" SCH 80	1.474	1.050" x 0.154 x 21'	HF A-53A
1" SCH 40	1.680	1.315" x 0.133 x 21'	HF A-53A
1" SCH 80	2.172	1.315" x 0.179 x 21'	HF A-53A
*1-1/4" SCH 10	1.806	1.660" x 0.109 x 21',24'	R PIPE
*1-1/4" SCH 40	2.270	1.660" x 0.140 x 21',24'	HF A-53A
*1-1/4" SCH 40	2.270	1.660" x 0.140 x 21',24'	HF A-53B
1-1/4" SCH 80	2.997	1.660" x 0.191 x 21 '	HF A-53A
*1-1/2" SCH 10	2.085	1.900" x 0.109 x 21',24'	R PIPE
*1-1/2" SCH 40	2.718	1.900" x 0.145 x 21'	HF A-53A
1-1/2" SCH 40	2.718	1.900" x 0.145 x 21'	HF A-53A
1-1/2" SCH 80	3.631	1.900" x 0.200 x 21'	HF A-53A
*2" SCH 10	2.638	2.375" x 0.109 x 21',24	HF A-53A
*2" SCH 40	3.653	2.375" x 0.154 x 21',24	HF A-53A
2" SCH 80	5.022	2.375" x 0.218 x 21'	HF A-53A
2-1/2" SCH 10	2.638	2.875" x 0.109 x 21'	
2-1/2" SCH 40	3.531	2.875" x 0.203 x 21',40'	HF A-53B
2-1/2" SCH 80	7.661	2.875" x 0.276 x 21'	HF A-53B
3" SCH 10	4.332	3.500" x 0.120 x 21',24'	HF A-53A
3" SCH 40	7.576	3.500" x 0.216 x 21',24',40'	HF A-53B

1/2"-6" Available in KleenKote (Special Order)
*Uncoated In Stock
Sizes up to 48" O.D. are also available at our pipe depot.

SIZE	#FT.	O.D. X WALL X LENGTH	SPEC.
3" SCH 80	10.25	3.500" x 0.300 x 40'	HF A-53B
3" XX PIPE	18.58	3.500" x 0.600 x 40'	HF A-53B
3-1/2" SCH 40	9.109	4.000" x 0.226 x 24',30,40'	HF A-53B
3-1/2" SCH 80	12.50	4.000" x 0.318 x 40'	HF A-53B
4" SCH 40	10.79	4.500" x 0.237 x 24',40'	HF A-53B
4" SCH 80	14.98	4.500" x 0.337 x 21',40'	HF A-53B
4" XX PIPE	27.54	4.500" x 0.674 x 40'	HF A-53B
5" SCH 10	7.77	5.563" x 0.134 x 21'	HF A-53A
5" SCH 20	10.79	5.563" x 0.188 x 40'	HF A-53A
5" SCH 40	14.62	5.563" x 0.258 x 25',33',40'	HF A-53B
5" SCH 80	20.78	5.563" x 0.375 x 40'	HF A-53B
5" XX PIPE	38.55	5.563" x 0.750 x 40'	HF A-53B
6" SCH 10	9.289	6.625" x 0.134 x 40'	HF A-53A
6" SCH 40	18.97	6.625" x 0.280 x 26',33,'40'	HF A-53B
6" XX PIPE	53.16	6.625" x 0.864 x 40'	HF A-53B
6" SCH 80	28.57	6.625" x 0.432 x 40'	HF A-53B
8" SCH 40	28.55	8.625" x 0.322 x 26',28',30',40'	HF A-53B
8" SCH 80	43.39	8.625" x 0.500 x 40'	HF A-53B
8" XX PIPE	72.42	8.625" x 0.875 x 40'	HF A-53B
10" SCH 40	40.48	10.750" x 0.365 x 40'	HF A-53B
10" XHEAVY	54.74	10.750" x 0.500 x 40'	HF A-53B
12" STD	49.56	12.750" x 0.406 x 40'	HF A-53B
12" XHEAVY	88.51	12.750" x 0.500 x 15'	HF A-53B
14" XHEAVY	72.09	14"O.D. x 0.500 x 40'	HF A-106
14" SCH 100	130.70	14"O.D. x 0.937 x 40'	HF A-106
16" STD	62.58	16"O.D. x 0.375 x 40'	A-53B
18" STD	82.06	18"O.D. x 0.375 x 40'	A-53B
20" STD	78.60	20"O.D. x 0.375 x 40'	A-53B
22" STD	86.61	22"O.D. x 0.375 x 40'	A-53B

ROUND PIPE GALVANIZED, PLAIN END

SIZE	#FT.	O.D. x WALL x LENGTH	SPEC
1/2" SCH 40	.8510	0.840" x 0.109 x 21'	HF A-53A
3/4" SCH 40	1.131	1.050" x 0.113 x 21'	HF A-53A
3/4" SCH 80	1.474	1.050" x 0.154 x 21'	HF A-53A
1" SCH 40	1.68	1.315" x 0.133 x 21'	HF A-53A
1-1/4" SCH 40	2.27	1.660" x 0.140 x 24'	HF A-53A
1-1/2" SCH 40	2.718	1.900" x 0.145 x 24'	HF A-53A
2" SCH 40	3.653	2.375" x 0.154 x 24'	HF A-53A
2-1/2" SCH 40	5.793	2.875" x 0.203 x 24'	HF A-53A
3" SCH 40	7.576	3.500" x 0.216 x 24'	HF A-53A
4" SCH 40	10.79	4.500" x 0.237 x 24'	HF A-53A
5" SCH 40	14.62	5.563" x 0.258 x 24'	HF A-53A
6" SCH 40	18.97	6.625" x 0.280 x 24'	HF A-53A
8" SCH 40	28.55	8.625" x 0.322 x 24'	HF A-53A

MOLDED TUBULAR HANDRAIL

1-3/4" Wide X 1-1/8" High designed for 1" square or 1-1/4" square posts and 3/4" or 5/8" pickets. 0.065" and 0.075" thick. Replaces costly effort of welding channel or flat bar to conventional muolded cap rail.

COLD DRAWN BUTT WELD (ASTM A512)

OD	WALL
9/16"	.083
5/8"	.090
3/4"	.090
3/4"	.120
9/16"	.083
3/4"	.138
13/16"	.138
13/16"	.120
7/8"	.080
7/8"	.120
7/8"	.156
1"	.109
1"	.120
1"	.250
1-7/16	.120
1-1/2"	.125
1-1/2"	.188
1-1/2"	.219
1-1/2"	.240
1-3/4"	.120
2"	.250
2"	.313
2-1/2"	.188

Our limited range of C.D.B.W. is excellent for spacers, bushings, tie rods, and other applications where chrome plating & hydraulic applications are not required.

Other sizes can be ordered from the mill

SPECIFICATION SHEET
GAL-Z MECHANICAL

Dimension	5/8"sq.	3/4"sq.	1"sq.	1-1/2"sq.	2"sq.	2" x 3"
O.D.	+/-.005	+1-.005	+1-.005	4.006	+1-.008	4.010
Twist	.050max	.050 max	.050 max	.050 max	.062 max	.062 max' Twist to be per 3ft.
Wall Thickness Tolerance	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%	+/-10%
Straightness	1 / 16"-3 ft.					
Corner Radius	Four corner radius to be equal as posible.					

Gal-Z Mechanical Tubing is hot dipped, prime painted on the I.D. and given a clear polythylene coat reduce white rust.

SPECIFICATIONS
ASTM CARBON AND ALLOY PIPE AND TUBING

ASTM NUMBER	EXPLANATION
A-53	Covers seamless and welded black and galvanized steel pipe furnished in the following types and grades: Type F.- Furnace butt welded (also known as continuous weld) 1/8 in. to 4 in. NPS Type E.- Electric resistance welded, grades A and B 1/8 in. to 24 in. NPS Type S.- Seamless, grade A and B 1/8 in. to 26 in. NPS Except for type F pipe ordered to this specification is suitable for forming, bending, and flanging. Grade B, the most common, has a minimum yield of 35'000 psi.
A-106	Covers seamless only carbon steel pipe for high-temperature service. Furnished in one of three grades, A, B or C. Suitable for bending, flanging, and similar forming operations.
A-500	Covers cold formed welded and seamless carbon square, rectangular, or special shape structural tubing for general structural purposes. Cover three grades: Grade A.- 39'000 psi Min. Yield Grade B.- 46'000 psi Min. Yield Grade C.- 50'000 psi Min. Yield
A-512	This specification covers cold-drawn buttweld carbon steel tubes for use as mechanical tubing. It covers round, square, rectangular, and special shapes.
A-513	This specification covers electric-resistance welded carbon and alloy steel tubing for use as mechanical tubing. It covers round, square, rectangular, and special shapes made from hot or cold rolled steel. It covers "as welded," "sink drawn," "mandel drawn," and "special smooth inside diameter."

SPECIFICATIONS
AMERICAN PETROLEUM INSTITUTE (PIPE)

ASTM NUMBER	EXPLANATION
API 5/L	Covers welded and seamless steel pipe for use in conveying gas, water, and oil. Used mainly in the oil and natural gas industries. Seamless and electric-weld covers two grades: Grade A (30'000 psi Min. Yield) and Grade B (35'000 psi Min. Yield). Butt-welded manufacture is covered by two classes: Class I (25'000 psi Min.Yield) and; Class II (28'000 psi Min. Yield). Size range 1/8 in. to 64 in. nominal diameters.
API 5/LX	Covers more rigorously tested line pipe, having greater tensile and bursting strengths. Size range 2-3/8 in. O.D. to 64 in. O.D. in grades x 42 (42'000 psi Min. Yield) to x 65 (65'000 psi Min. Yield). Not intended for high temperature service.

GLOSSARY TERMS

AISI.-	American Iron & Steel Institute
ANSI.-	American National Standards Institute — Formerly ASA
API.-	American Petroleum Institute
ASTM.-	American Society for Testing Materials
BEVEL.	The angle formed between the prepared edge of the end of the pipe and a plane perpendicular to the surface. Standard line pipe bevel is 30 degrees.
BLK.-	Black — term used when O.D. surface of the pipe is protected with a varnish-type oil. Also applies to bare pipe to denote not galvanized.
BDLS.-	Bundles ... practice of packaging pipe. Pieces per bundle vary with size.
B.W. PIPE.-	Butt Weld Pipe
C.D.B.W.-	Cold Drawn Butt Weld.
CFT.-	Per Hundred Feet. (per cent of feet)
CREW.-	Cold Rolled Electric Welded
CRAK.-	Cold Rolled Aluminium Killed.
CWT.-	Per hundred weight. (per cent of weight)
DIE STAMPING.-	Permanent marking placed on pipe as required in some specifications.
D.O.M.-	Drawn Over Mandrel.
DRL.-	Double Random Length (35 foot minimum average).
ERW.-	Electric Resistance Weld Pipe — method of producing pipe normally in sizes from 2-3/8" O.D. through 22" O.D.
F.O.B.-	Free on Board.
F.R.-	Flash removed.
F.R. TEL.-	Flash Removed-Telescoping.
FRT.-	Freight
GALV.-	Galvanizing — coating pipe with a protective coating of zinc.
GRADE A OR B.	Designations used to indicate minimum yield and tensile strengths of steel in seamless and welded pipe.
H.F. A-53A.-	Hot Finished A-53A Pipe.
H.F. A-53B.-	Hot Finished A-53B Pipe.
H.R.E.W.-	Hot Rolled Electric Welded.
H.R.E.W.B.K.-	Hot Rolled Electric Weld with Black Primer.
I.D.-	Inside Diameter — The O.D. measurement less double the wall thickness is the 1.0. measurement of a pipe or tube.
M.T.C.R.-	Molded Tubular Cap Rail.
O.D.-	Outside Diameter
P.E.-	Plain Ends
R/L.-	Random Length. Varying lengths of pipe.
R. PIPE.-	Railing Pipe.
R.K.-	RedKote ™
SAW.-	Submerged Arc Weld — a method of producing very large OD pipe.
DSAW.-	Double Submerged Arc Weld Pipe — DSAW pipe is available in API 5L grade A & B and API 5LX
SMLS.-	Seamless — pipe without a seam or weld in the circumference.
STRUC.-	Hot Roled Structural Steel Tubing.
SRL.-	Single Random Lengths — usually 16 foot to 22 foot. Minimum average of 17'6".
STENCIL.	Identification painted on pipe. Specification, size, wall, grade, test pressure, method of manufacture and mill identification are usually indicated.
STD.-	Standard — Same as Sch. 40 (1/8" to 10" pipe)
TBE.-	Thread Both Ends
TOE.-	Thread One End
YIELD STRENGTH.-	The tensile stress required to produce a total elongation of 0.5 percent of the gauge length as determinned by an extensometer. Expresed in P.S.I.
XHY.-	Extra Heavy also know as extra strong—pipe with walls heavier than standard weight.Same as schedule 80 in sizes 1/8 inch to 8 inch diameter.
XXHY.-	Double Extra Heavy (Double Extra Strong)
A847.-	Weathering Steel.

METRIC SYSTEM

LENGTH --- Basic unit is meter (m)

Metric unit	Inches	Feet	
Centimeter (cm)	.3937		
Decimeter (dm)	3.937	.3281	
Meter (m)	39.37	3.281	

TO CONVERT

In. to Millimeters — multiply by 25.4	Yards to Meters — multiply by 0.9144
Millimeters to In. — multiply by 0.03937	Meters to Yards — multiply by 1.094
Feet to Meters — multiply by 0.3048	Miles to Kilometers — multiply by 1.609
Meters to Feet — multiply by 3.281	Kilometers to Miles — multiply by 0.6214

TO CONVERT (AREA)

Sq. In. to Sq. cm. — multiply by 6.452	Sq. Ft. to Sq. m. — multiply by .0929
Sq. cm. to Sq. In. — multiply by 0.1550	Sq. m. to Sq. Ft. — multiply by 10.76

WEIGHT — Basic unit is gram (g)

Metric Unit	Ounces	Pounds	
Gram	0.03527	----------	
Kilogram (kg)	35.27	2.2046	
Metric Ton (MT)	----------	2,204.6	

COMMON METRIC CONVERSION FACTORS

10 millimeters= 1 centimeter	1 meter = 3.281 feet
100 centimeters = 1 meter	1 kilogram = 2.2046 lbs.
1000 grams = 1 kilogram	1 inch = 2.540 cm
1 centimeter = 0.3937 inch	1 foot = 30.48 cm

REFERENCE FORMULAS:

To find wall: O.D. - I.D.12 = Wall
To find O.D.: I.D. + (2 x wall) = O.D.
To find I.D.: O.D. - (2 x wall) = I.D.
To find weight per foot of round steel tubing: O.D. : wall x wall x 10.68 = WPF

SQUARE-RECTANGULAR WEIGHT PER FOOT

OTHER SIZES AVAILABLE UPON REQUEST - THEORETICAL WEIGHTS

SQUARE	RECTANGULAR	.049	.065	.083	.095	.109	.120	.134	3/16	1/4	5/16	3/8	1/2	5/8
1/2 x 1/2		.301	.384											
3/4 x 3/4	1/2 x 1	.467	.605	.753	.846	.950	1.028							
1 x 1	1/2 x 1 1/2	.634	.827	1.035	1.169	1.320	1.436	1.597						
1 1/4 x 1 1/4	1 x 1 1/2		1.047	1.317	1.492	1.691	1.844	1.889	2.408					
1 1/2 x 1 1/2	1 x 2		1.268	1.599	1.815	2.062	2.252	2.490	3.047	3.706				
1 3/4 x 1 3/4	1 1/2 x 2		1.490	1.882	2.138	2.433	2.660	2.826						
2 x 2	1 1/2 x 2 1/2 1 x 3		1.710	2.160	2.461	2.803	3.068	3.401	4.320	5.410				
----	1 1/2 x 3		1.932	2.446	2.784	3.174	3.476	3.856	4.966					
2 1/2 x 2 1/2	1 1/2 x 3 1/2 2 x 3		2.153	2.728	3.107	3.544	3.884	4.312	5.590	7.110				
3 x 3	2 x 4			3.293	3.753	4.285	4.700	5.104	6.870	8.81	10.58	12.17	17.60	
3 1/2 x 3 1/2	2 x 5 3 x 4			3.756	4.398	4.902	5.680	5.929	8.150	10.51	12.70	14.72		
----	2 1/2 x 5			4.038	4.721	5.272	5.924	6.385	8.804	11.36				
4 x 4	2 x 6 3 x 5			4.422	5.044	5.643	6.530	6.84	9.42	12.21	14.83	17.27	21.63	
4 1/2 x 4 1/2	3 x 6 4 x 5						7.145	7.954	10.70	13.91	16.93	19.82	25.03	
5 x 5	2 x 8 3 x 7 4 x 6						7.961	8.864	11.97	15.62	19.08	22.37	28.43	
5 1/2 x 5 1/2	3 x 8 4 x 7 5 x 6						8.695	9.778	13.25	17.32	21.21	24.93	31.84	
6 x 6	2 x 10 3 x 9 4 x 8 5 x 7						9.690	10.69	14.53	19.02	23.34	27.48	35.24	42.26
----	3 x 10 5 x 8								15.84	20.72	25.42	30.03	41.49	
7 x 7	2 x 12 4 x 10 6 x 8								17.08	22.42	27.59	32.58	42.05	50.76
----	3 x 12 5 x 10								18.40	24.12	29.67	35.13	44.19	55.06
8 x 8	4 x 12 6 x 10								19.63	25.82	31.84	37.69	48.85	59.32
9 x 9	4 x 14 6 x 12 8 x 10								22.18	29.23	36.10	42.79	55.66	67.82
10 x 10	4 x 16 6 x 14 8 x 12								24.73	32.63	40.35	47.90	62.46	76.33
12 x 12	6 x 18 8 x 16 10 x 14									39.43	48.86	58.10	76.07	93.25
14 x 14	8 x 20 12 x 16										57.36	68.31	89.68	110.35
16 x 16	12 x 20										65.87	78.52	103.30	127.36

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Red figures indicate wall thickness in inches

ANSI PIPE SCHEDULES

Blue figures indicate weight per foot in pounds

PIPE	O.D. in	5	10	20	30	40	STD.	60	80	XH	100	120	140	160	XXH
1/8	.405	.035 .1383	.049 .1863			.068 .2447	.068 .2447		.095 .3145	.095 .3145					
1/4	.540	.049 .2570	.065 .3297			.088 .4248	.088 .4248		.119 .5351	.119 .5351					
3/8	.675	.049 .3276	.065 .4235			.091 .5676	.091 .5676		.126 .7388	.126 .7388					
1/2	.840	.065 .5383	.083 .6710			.109 .8510	.109 .8510		.147 1.088	.147 1.088				.187 1.304	.294 1.714
3/4	1.050	.065 .6838	.083 .8572			.113 1.131	.113 1.131		.154 1.474	.154 1.474				.218 1.937	.308 2.441
1	1.315	.065 .8678	.109 1.404			.133 1.679	.133 1.679		.179 2.172	.179 2.172				.250 2.844	.358 3.659
1-1/4	1.660	.065 1.107	.109 1.806			.140 2.273	.140 2.273		.191 2.997	.191 2.997				.250 3.765	.382 5.214
1-1/2	1.900	.065 1.274	.109 2.085			.145 2.718	.145 2.718		.200 3.631	.200 3.631				.281 4.859	.400 6.408
2	2.375	.065 1.604	.109 2.638			.154 3.653	.154 3.653		.218 5.022	.218 5 022				.343 7.444	.436 9.029
2-1/2	2.875	.083 2.475	.120 3.531			.203 5.793	.203 5.793		.276 7.661	.276 7.661				.375 10.01	.552 13.70
3	3.500	.083 3.029	.120 4.332			.216 7.576	.216 7.576		.300 10.25	.300 10.25				.437 14.32	.800 18.58
3-1/2	4.0	.083 3.472	.120 4.973			.226 9.109	.226 9.109		.318 12.51	.318 12.51					.636 22.85
4	4.50	.083 3.915	.120 5.613			.237 10.79	.237 10.79	.281 12.66	.337 14 98	.337 14.98		.437 19.01		.531 22.51	.674 27.54
4-1/2	5.0						.247 12.53			.355 17.61					.710 32.53
5	5.563	.109 6.349	.134 7 770			.258 14.62	.258 14.62		.375 20.78	.375 20.78		.500 27.04		.625 32.96	.750 38.55
6	6.625	.109 7.585	134 9 289			.280 18.97	.280 18.97		.432 28 57	.432 28.57		.562 36.39		.718 45.30	.564 53.16
7	7.625						.301 23.57			.500 38.05					.875 63.08
8	8.625	.109 9.914	.148 13.40	.250 22.36	.277 24.70	.322 28 55	.322 28.55	.406 35.64	.500 43.39	.500 43.39	.593 50.87	.718 60.63	.812 67.76	.906 74.69	.875 72.42
9	9.625						.342 33.90			.500 48.72					
10	10.75	.134 15.19	.165 18 70	.250 28.04	.307 34.24	.365 40.48	.365 40.48	.500 54.74	.593 64.33	.500 54.74	.718 76.93	.843 89.20	1.000 104.1	1.125 1157	
11	11.75						.375 45.55			.500 60.07					
12	12.75	.165 22.18	.180 24 20	.250 33.38	.330 43.77	.406 53.53	.375 49.56	.562 73.16	.687 88.51	.500 65.42	.843 107.2	1.000 125.5	1.125 139.7	1.312 160.3	
14	14.0		.250 36.71	.312 45.68	.375 54.57	.437 63.37	.375 54.57	.593 84 91	.750 106.1	.500 72.09	.937 130.7	1.093 150.7	1.250 170.2	1.406 189.1	
16	16.0		.250 42 05	.312 52.36	.375 62.58	.500 82.77	.375 62.58	.656 107.5	.843 136.5	.500 82 77	1.031 164.8	1.218 192.3	1.437 223.5	1.593 245.1	
18	18.0		.250 47 39	.312 59.03	.437 82 06	.562 104.8	.375 70 59	.750 138.2	.937 170.8	.500 93.45	1.156 208.0	1.375 244.1	1.562 274.2	1.781 308.5	
20	20.0		.250 52.73	.375 78.60	.500 104.1	.593 122.9	.375 78 60	.812 1664	1.031 208.9	.500 104.1	1.280 256.1	.500 296.4	1.750 341.1	1.968 379.0	
22	22.0		.250 58 07	.375 86.61	.500 114.8		.375 86 61	.875 197.4	1.125 250.8	.500 114.8	1.375 302.9	1.625 353.6	1.875 403.0	2.125 451.1	
24	24.0		.250 63.41	.375 94.62	.562 140.8	.687 171.2	.375 94.62	.968 238.1	1.218 296.4	.500 125.5	1.531 3674	1.812 429.4	2.062 483.1	2.343 541.9	
26	26.0		.312 85.60	.500 136.2			.375 102.6			.500 136.2					
28	28.0		.312 92.26	.500 146.8	.625 182.7		.375 110.6			.500 146.8					
30	30.0		.312 98.93	.500 157.5	.625 196.1		.375 118.6			.500 157.5					
32	32.0		.312 105.6	.500 1682	.625 209.4	.688 230.1	.375 126.7			.500 168.2					
34	34.0		.344 123.7	.500 178.9	.620 2228	.688 244.8	.375 134.7			.500 178.9					
36	36.0		.312 118.9	.500 189.6	.620 236 1	.750 282.3	.375 142.7			.500 189.6					
42	42.0						.375 166.7			.500 221.6					
48	48.0						.375 190.7			.500 253.6					

T U B I N G & P I P E

GAUGE	23	22	21	20	19	18	17	16	15	14	13	12	I1	10	9	8	
DECIMAL	.025"	.028"		.032"	.035"	.042"	.049"	.058"	.065"	.072"	.083"	.095"	.109"	.120"	.134"	.148"	.165"

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