



America's most diverse steel tube and pipe company,
offering an extensive inventory, best-in-class
processing and precision laser tube cutting.



Stocklist

www.TottenTubes.com

500 Danlee Street
Azusa, CA 91702

(800) 882-3748 • Phone
(626) 812-0113 • Fax

Service Centers

AZUSA | LATHROP | PHOENIX | SANTEE | VANCOUVER



SERVICING THE WESTERN STATES FOR OVER 65 YEARS
FROM BRANCHES IN AZUSA, LATHROP, PHOENIX, SANTEE AND VANCOUVER

HISTORY OF TOTTEN TUBES

One building, one truck, one employee....

Totten Tubes was founded by Marv Totten in 1955 in South Central Los Angeles.

Marv chose to specialize in distributing square and rectangular steel tubing, a risky venture at the time as the product line was so small.

In 1960, the company moved to Los Palos Street in East Los Angeles where it grew the inventory to 5,000 tons and thrived for the next 38 years. During that time, the company enlarged its product offerings to include black and galvanized pipe, drawn over mandrel tubing, primed steel tubing and stainless.

As the company matured and continued to expand, Marv's three sons joined the business. David in 1963; Jeff in 1965 and Tracy in 1976 where they eventually became officers of the company. They remain active to this day.

In 1998, Totten Tubes moved the home office and warehouse to Azusa, California where it now holds over 9,000 tons of inventory on seven acres. The company also has branches in Santee and Lathrop, California and Phoenix, Arizona distributing a wide variety of tubular product lines throughout the Western United States.

The company has been family owned and operated for over 60 years. It is now being led by the third generation, including co-Presidents Greg, CEO and Paul, COO, along with Mike in sales and Kim in accounting. Totten Tubes' core values are honesty, integrity and a dedicated work ethic with respect for our customers, employees, vendors and stockholders.

**Southern California
Branch and
Corporate Office**
500 Danlee St.
Azusa, CA 91702
(800) 882-3748
(626) 812-0220
(626) 812-0413 Fax

Northern California
15540 S. McKinley Ave.
Lathrop, CA 95330
(209) 858-1166
(209) 858-1144 Fax

Phoenix Branch
1605 So. 39th Ave.
Phoenix, AZ 85009
(602) 278-7502
(602) 278-7593 Fax

San Diego County
8550 Roland Acres Dr.
Santee, CA 92071
(619) 448-4151
(619) 448-7840 Fax

Pacific Northwest
3001 SE Columbia Way
Building 41, Bay 6 & 7
Vancouver, WA 98661
(360) 828-5210



CORPORATE OFFICE AND SOUTHERN CALIFORNIA DISTRIBUTION CENTER

500 Danlee St., Azusa, CA 91702 • (800) 882-3748 • Ph: (626) 812-0220 • Fax: (626) 812-0413

We run 11 tractor-trailer combinations daily servicing Southern California. With 2 tube lasers on site, we can process ½" OD - 16" OD, ½" square - 10" square, ½" x 1" to 8" x 12" rectangular.

Cutting equipment includes 6 Marvel band saws. We offer cold saw cutting and tumble deburring upon request.

Our warehouse occupies 73,000 square feet with outside storage covering more than 6 acres of paved land.

SAN DIEGO COUNTY

8550 Roland Acres Dr. Santee, CA 92071 • Ph: (619) 448-4151 • Fax: (619) 448-7840
Servicing all of San Diego County with in house band saw cutting and daily deliveries.

PHOENIX, AZ

Totten Tubes - Phoenix
1605 So. 39th Ave., Phoenix, AZ 85009 • Ph: (602) 278-7502 • Fax: (602) 278-7593
The facility features 20,000 square feet under roof on a 6 acre yard, two band saws along with four delivery trucks that service all of Arizona.

NORTHERN CALIFORNIA

15540 S. McKinley Avenue, Lathrop, CA 95330 • Ph: (209) 858-1166 • Fax: (209) 858-1144
Our Lathrop plant has a 40,000 square-foot warehouse, two band saws with high volume cross conveyor system, and 4 delivery trucks for next day delivery of local stock to the Greater Bay Area & a Central and Northern California.

VANCOUVER, WA

3001 SE Columbia Way, Building 41, Bay 6 & 7, Vancouver, WA
We have a 36,000 square foot warehouse and local delivery trucks serving Washington and Oregon.
We offer in house cutting and with weekly transfers from Azusa for laser cutting.

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

Inches to mm — multiply by **25.4**
 mm to Inches — multiply by **0.03937**
 Feet to Meters — multiply by **0.3048**
 Meters to Feet — multiply by **3.281**

Yards to Meters — multiply by **0.9144**
 Meters to Yards — multiply by **1.094**
 Miles to Kilometers — multiply by **1.609**
 Kilometers to Miles — multiply by **0.6214**

TO CONVERT (AREA)

Sq. In. to Sq. cm. — multiply by **6.452**
 Sq. cm. to Sq. In. — multiply by **0.1550**

Sq. Ft. to Sq. m. — multiply by **.0929**
 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**
 100 centimeters = **1 meter**
 1000 grams = **1 kilogram**
 1 centimeter = **0.3937 inch**

1 meter = **3.281 feet**
 1 kilogram = **2.2046 lbs.**
 1 inch = **2.540 cm**
 1 foot = **30.48 cm**

REFERENCE FORMULAS:

To find wall: **O.D. - I.D. ÷ 2 = 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**

SPECIFICATIONS
ASTM CARBON AND ALLOY PIPE AND TUBING

ASTM NUMBER	EXPLANATION
A-53	<p>Covers seamless and welded black and galvanized steel pipe furnished in the following types and grades:</p> <p style="color: red;">Type F.- Furnace butt welded (also known as continuous weld) 1/8 in. to 4 in. NPS</p> <p style="color: red;">Type E.- Electric resistance welded, grades A and B 1/8 in. to 24 in. NPS</p> <p style="color: red;">Type S.- Seamless, grade A and B 1/8 in. to 26 in. NPS</p> <p>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.</p>
A-106	Covers seamless only carbon steel pipe for high-temperature service. Furnished in one of three grades, A, B or C.
A-500	<p>Covers cold formed welded carbon square, rectangular, or special shape structural tubing for general structural purposes. Cover three grades:</p> <p style="color: red;">Grade A.- 39'000 psi Min. Yield</p> <p style="color: red;">Grade B.- 46'000 psi Min. Yield</p> <p style="color: red;">Grade C.- 50'000 psi Min. Yield</p>
A-513	<p>This specification covers electric-resistance welded carbon and alloy steel tubing for use as mechanical tubing.</p> <p>It covers round, square, rectangular, and special shapes made from hot or cold rolled steel.</p> <p>Type 1 HREW, Type 2 CREW, Type 5 DOM, Type 6 SSID.</p>
A-847	This specification is for weathering tube formally known as Cor-Ten and has some copper added to the chemistry for corrosive resistance. Excellent for bridges.
A-1085	Adopted by ASTM in 2013. Higher properties, closer tolerances than A500, and Charpy Impact Tested by the Manufacturer.

SPECIFICATIONS
AMERICAN PETROLEUM INSTITUTE (PIPE)

ASTM NUMBER	EXPLANATION
API 5/L	<p>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:</p> <p style="color: red;">Grade A (30'000 psi Min. Yield) and</p> <p style="color: red;">Grade B (35'000 psi Min. Yield).</p> <p style="color: red;">Butt-welded manufacture is covered by two classes:</p> <p style="color: red;">Class I (25'000 psi Min. Yield) and;</p> <p style="color: red;">Class II (28'000 psi Min. Yield).</p> <p>Size range 1/8 in. to 64 in. nominal diameters.</p>
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
CFT.-	Per Hundred Feet.
CREW.-	Cold Rolled Electric Welded
CRAK.-	Cold Rolled Aluminum Killed.
CWT.-	Per hundred 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 — method of producing pipe and tube.
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.R.E.W.-	Hot Rolled Electric Welded.
I.D.-	Inside Diameter — The O.D. measurement less double the wall thickness is the I.D. 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 or tube.
R. PIPE.-	Railing Pipe.
R.K.-	RedKote™
SAW.-	Submerged Arc Weld — a method of producing very large OD pipe.
DSAW.-	Double Submerged Arc Weld — 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 Rolled 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 determined by an extensometer. Expressed in P.S.I.
XHY.-	Extra Heavy also known as extra strong—pipe with walls heavier than standard weight. Same as schedule 80 in sizes 1/8 to 8 inch diameter.
XXHY.-	Double Extra Heavy (Double Extra Strong)
A847.-	Weathering Steel.

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 on 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.			

²Measurements 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 ratio of cross sectional dimensions is between 1 1/2 and 100% when the ratio exceeds 3.

³The 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 length, inches	.062	.075	.087	.100	.112

⁴ Twist is measured either by holding 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 bottom 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

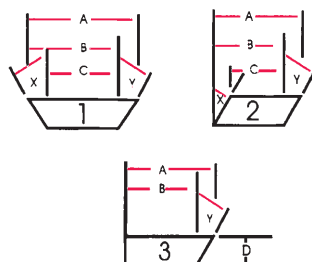
SQUARENESS OF SIDES.... Adjacent sides may deviate from 90 degrees by a tolerance of plus or minus 2 degree maximum.

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 inquiries to our office.

WE MITER TO 60"



CHEMICAL COMPOSITION ASTM A500

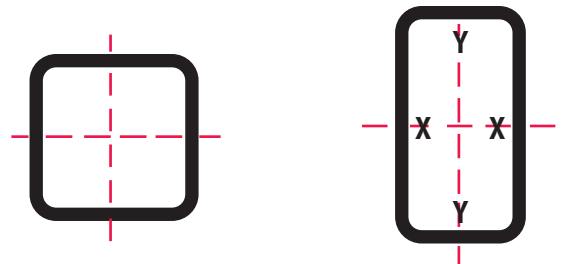
	GRADE B	GRADE C
Carbon, max. %	0.26	0.23
Manganese, max. %	---	1.35
Phosphorous, max. %	0.04	0.04
Sulphur, max. %	0.05	0.05
Copper, when copper steel is specified, min %	0.20	0.20

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 RADIUS

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 in accordance 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

#/FT	WALL	STOCK LENGTHS	#/FT	WALL	STOCK LENGTHS	#/FT	WALL	STOCK LENGTHS
3/8 x 3/8			1.268	.065 GALV	20'-24'	6.87	.188 A500B	20'-40'
.23	.049 CREW	20'-24'	1.268	.065 HREW	20'-24'	8.81	.250 A500B	20'-40'
.2740	.065 CREW	20'-24'	1.398	.075 HREW	20'-24'	10.58	.313 A500B	20'-40'
			1.815	.095 HREW	20'-24'	12.16	.375 A500B	20'-40'
1/2 x 1/2			2.062	.109 HREW	20'-24'	17.60	.500 A500B	40'
.301	.049 CREW	20'-24'	2.252	.120 HREW	20'-24'	3.030 3.030		
.363	.065 GALV	20'-24'	2.231	.188 A500B	20'-24'	8.81	.238 A500B	20'-24'
			4.247	.250 A500B	20'-24'	3-1/2 x 3-1/2		
5/8 x 5/8			1-5/8sq			3.852	.083 HREW	20'-24'
.367	.049 CREW	20'-24'	3.072	.175 HREW	20'	5.39	.120 A500B	20'-40'
			1-3/4 x 1-3/4			8.15	.188 A500B	20'-40'
3/4 x 3/4			1.490	.065 CREW	20'-24'	10.51	.250 A500B	20'-40'
.467	.049 GALV	20'-24'	1.882	.083 CREW	20'-24'	12.70	.313 A500B	20'-40'
.467	.049 CREW	20'-24'	2.138	.095 HREW	20'-24'	14.71	.375 A500B	20'-40'
.552	.065 HREW	20'-24'	2.433	.120 HREW	20'-24'	4 x 4		
.606	.065 GALV	20'-24'	2.660	.120 HREW	20'-24'	4.36	.083 HREW	20'-24'
.753	.083 HREW	20'-24'	3.842	.188 HREW	20'-24'	6.21	.120 A500B	20'-40'
.846	.095 HREW	20'-24'	2 x 2			9.42	.188 A500B	20'-40'
1.028	.120 HREW	20'-24'	1.300	.049 CREW	20'-24'	12.21	.250 A500B	20'-48'
			1.711	.065 GALV	20'-24'	14.83	.313 A500B	20'-48'
.844 x .844			1.711	.065 HREW	20'-24'	17.27	.375 A500B	20'-48'
.660	.065 HREW	20'-24'	1.84	.075 HREW	20'-24'	21.63	.500 A500B	20'-48'
			2.143	.083 HREW	20'-24'	4-1/2 x 4-1/2		
7/8 x 7/8			2.388	.095 HREW	20'-24'	7.31	.125 A500B	20'-40'
.550	.049 CREW	20'-24'	2.94	.120 A500B	20'-40'	10.70	.188 A500B	20'-40'
.716	.065 HREW	20'-24'	3.071	.125 A500B	20'-40'	13.91	.250 A500B	20'-40'
			4.32	.188 A500B	20'-40'	19.82	.375 A500B	20'-40'
1 x 1			5.41	.250 A500B	20'-40'	5 x 5		
.634	.049 GALV	20'-24'	6.32	.313 A500B	20'-40'	7.83	.120 HREW	20'-40'
.634	.049 CREW	20'-24'	2-1/4 x 2-1/4			11.97	.188 A500B	20'-40'
.767	.065 GALV	20'-24'	2.784	.095 HREW	20'-24'	15.62	.250 A500B	20'-40'
.767	.065 HREW	20'-24'	3.174	.109 HREW	20'-24'	19.08	.313 A500B	20'-48'
.909	.075 HREW	20'-24'	3.48	.120 HREW	20'-40'	22.37	.375 A500B	20'-48'
1.169	.095 HREW	20'-24'	5.065	.180 A500B	20'-40'	28.43	.500 A500B	20'-48'
1.3210	.109 HREW	20'-24'	7.008	.250 A500B	20'-40'	37.19	.625 A500B	20'-48'
1.437	.120 HREW	20'-24'	2-1/2 x 2-1/2			5-1/2 x 5-1/2		
2.29	.188 HREW	20'-24'	2.153	.065 CREW	20'-24'	13.25	.188 A500B	20'-48'
			2.698	.083 HREW	20'-24'	17.32	.250 A500B	20'-40'
1-1/8 x 1-1/8			3.544	.109 HREW	20'-24'	24.93	.375 A500B	20'-40'
.7170	.049 CREW	20'-24'	3.76	.120 A500B	20'-40'	31.84	.500 A500B	40'
.9370	.065 CREW	20'-24'	3.90	.125 A500B	20'-40'	6 x 6		
			5.59	.188 A500B	20'-40'	9.48	.120 A500B	20'-40'
1-1/4 x 1-1/4			7.11	.250 A500B	20'-40'	14.53	.188 A500B	20'-40'
.800	.049 CREW	20'-24'	8.43	.313 A500B	20'-40'	19.02	.250 A500B	20'-48'
1.048	.065 GALV	20'-24'	2.530 x 2.530			23.34	.313 A500B	20'-48'
1.048	.065 HREW	20'-24'	7.11	.238 A500B	20'-24'	27.48	.375 A500B	20'-48'
1.154	.075 HREW	20'-24'	3 x 3			35.24	.500 A500B	20'-48'
1.492	.095 HREW	20'-24'	2.594	.065 CREW	20'-24'	42.26	.625 A500B	20'-37'
1.6910	.109 HREW	20'-24'	3.23	.083 HREW	20'-24'			
1.844	.120 HREW	20'-24'	3.67	.095 HREW	20'-24'			
2.600	.188 BW PIPE	20'-24'	4.57	.120 A500B	20'-24'			
1-1/2 x 1-1/2								
.967	.049 CREW	20'-24'						

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



SQUARE TUBING

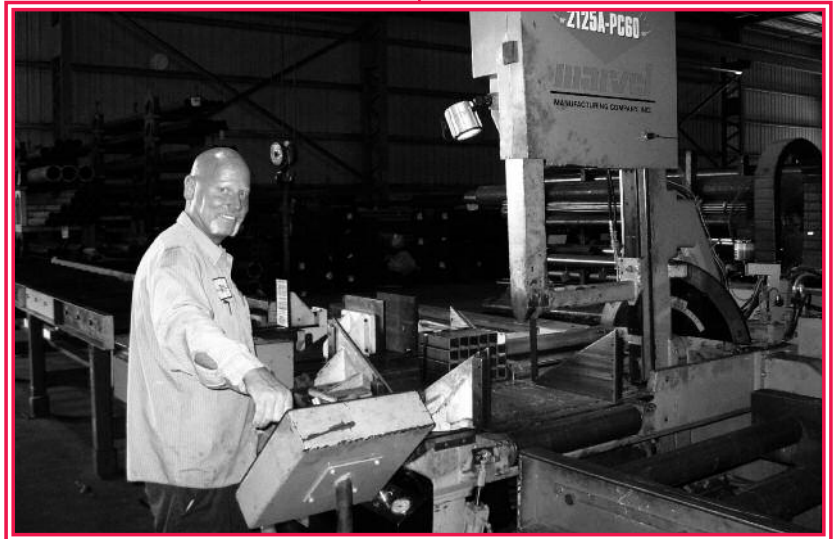
	#/FT	WALL	STOCK LENGTHS
7 x 7	17.08	.188 A500B	20'-48'
	22.42	.250 A500B	20'-48'
	27.59	.313 A500B	20'-48'
	32.58	.375 A500B	20'-48'
	42.05	.500 A500B	20'-48'
	50.76	.625 A500B	20'-40'
8 x 8	19.63	.188 A500B	20'-48'
	25.82	.250 A500B	20'-48'
	31.84	.313 A500B	20'-48'
	37.69	.375 A500B	20'-48'
	48.85	.500 A500B	20'-48'
	59.32	.625 A500B	20'-48'
9 x 9	29.23	.250 A500B	20'-48'
	36.10	.313 A500B	20'-48'
	42.79	.375 A500B	20'-48'
	55.66	.500 A500B	20'-48'
	67.82	.625 A500B	20'-48'
	10 x 10	24.73	.188 A500B
32.63		.250 A500B	20'-56'
40.35		.313 A500B	20'-56'
47.90		.375 A500B	20'-56'
62.46		.500 A500B	20'-56'
76.33		.625 A500B	20'-56'
12 x 12	89.50	.750 A500B	20'-56'
	39.43	.250 A500B	20'-56'
	48.86	.313 A500B	20'-56'
	58.10	.375 A500B	20'-56'
	76.07	.500 A500B	20'-56'
	93.25	.625 A500B	20'-56'
14 x 14	109.69	.750 A500B	20'-56'
	57.36	.313 A500B	20'-56'
	68.31	.375 A500B	20'-56'
	89.68	.500 A500B	20'-56'
	110.35	.625 A500B	20'-40'
	130.33	.750 A500B	20'-40'
16 x 16	65.87	.313 A500B	20'-56'
	78.52	.375 A500B	20'-56'
	103.30	.500 A500B	20'-56'
	127.34	.625 A500B	20'-56'
	150.80	.750 A500B	20'-56'
	18 x 18	116.84	.500 A500B
144.18		.625 A500B	40'-48'
20 x 20		130.00	.500 A500B
	159.00	.625 A500B	40'-48'

Special Telescoping Sizes

- 1-1/8sqx.049 slips over 1sq tube*
 - 1-1/2sqx.109 slips over 1-1/4sq 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*

LEED Certification

Our products are traceable to comply with The Leadership in Energy and Environmental Design (LEED) requirements. Please call our office for details on the amount of recycled Steel used in the manufacturing of the tubing and pipe we sell. Post consumer and post industrial recycled percentages are available.



Pipe 3/8" to 48" in most schedules.

"Multiple transfers between branches each week"

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



RECTANGULAR TUBING

#/FT	WALL	STOCK LENGTHS	#/FT	WALL	STOCK LENGTHS	#/FT	WALL	STOCK LENGTHS
3/8 x 1-1/2								
.771	.065 HREW	20'-24'	2.38	.095 HREW	20'-24'	3.76	.120 A500B	20'-40'
			3.05	.120 HREW	20'-24'	5.59	.188 A500B	20'-40'
			4.32	.188 A500B	20'-24'	8.43	.313 A500B	20'-40'
1/2 x 1			1 x 3-1/2			2 X 4		
.467	.049 CREW	20'-24'	3.476	.120 HREW	24'	2.594	.065 HREW	20'-24'
.563	.065 HREW	20'-24'				3.29	.083 HREW	20'-24'
1/2 x 1-1/4			1 x 4			4.57	.120 A500B	20'-40'
.5411	.049 CREW	20'	2.728	.083 HREW	20'-24'	6.87	.188 A500B	20'-40'
.7160	.065 HREW	20'-24'	4.038	.120 HREW	20'-24'	10.58	.313 A500B	20'-40'
1/2 x 1-1/2			1-1/8 x 1-3/4 (see picture, pg 16)			12.16	.375 A500B	20'-40'
.6337	.049 CREW	20'-24'	1.175	.075 MOLDED CAPRAIL	20'			
.826	.065 CREW	20'-24'				2 X 5		
1/2 x 2			1-1/4 x 2			5.39	.120 A500B	20'-40'
.9710	.065 CREW	20'-24'	1.379	.065 CREW	20'-24'	8.15	.188 A500B	20'-40'
			1.741	.083 HREW	20'-24'	10.51	.250 A500B	20'-40'
3/4 x 1			2.456	.120 HREW	20'-24'	12.70	.313 A500B	20'-40'
.665	.065 CREW	20'	1-1/4 x 2-1/2			14.71	.375 A500B	20'-40'
			2.023	.083 HREW	20'-24'	2 X 6		
3/4 x 1-1/2			2.864	.120 HREW	20'-24'	4.36	.083 HREW	20'-40'
.717	.049 CREW	20'-24'	1-1/2 x 2			6.21	.120 HREW	20'-40'
.937	.065 HREW	20'-24'	1.490	.065 CREW	20'-24'	9.42	.188 A500B	20'-40'
1.031	.075 HREW	20'-24'	1.643	.075 HREW	20'-24'	12.21	.250 A500B	20'-40'
1.176	.083 HREW	20'-24'	1.881	.083 HREW	20'-24'	14.83	.313 A500B	20'-40'
1.331	.095 HREW	20'-24'	2.138	.095 HREW	20'-24'	17.27	.375 A500B	20'-40'
1.331	.095 HREW	20'-24'	2.660	.120 HREW	20'-24'			
1.640	.120 HREW	20'-24'	3.990	.188 A500B	20'-24'	2 X 7		
3/4 x 2			1-1/2 x 2-1/2			13.91	.250 A500B	40'
1.158	.065 CREW	20'-24'	1.711	.065 CREW	20'-24'	2 X 8		
1.654	.095 HREW	20'-24'	2.10	.083 HREW	20'-24'	7.83	.120 A500B	20'-40'
1 x 1-1/4			3.050	.120 HREW	20'-24'	11.97	.188 A500B	20'-40'
.996	.065 HREW	20'-24'	4.32	.188 A500B	20'-24'	15.62	.250 A500B	20'-40'
1.640	.120 HREW	20'-24'	5.41	.250 A500B	20'-24'	19.08	.313 A500B	20'-40'
1 x 1-1/2			1-1/2 x 3			22.37	.375 A500B	20'-40'
.800	.049 CREW	20'-24'	1.89	.065 HREW	20'-24'	2 X 10		
1.048	.065 HREW	20'-24'	2.39	.083 HREW	20'-24'	9.86	.125 A500B	40'
1.192	.075 HREW	20'-24'	2.70	.095 HREW	20'-24'	14.53	.188 A500B	20'-40'
1.317	.083 HREW	20'-24'	3.19	.109 HREW	20'-24'	19.02	.250 A500B	20'-40'
1.492	.095 HREW	20'-24'	3.476	.120 HREW	20'-24'	23.34	.313 A500B	20'-40'
1.844	.120 HREW	20'-24'	4.96	.188 A500B	20'-24'	27.48	.375 A500B	20'-40'
1 x 2			6.260	.250 A500B	20'-24'	2 X 12		
.967	.049 CREW	20'-24'	1-1/2 x 3-1/2			17.08	.188 A500B	20'-40'
1.175	.065 HREW	20'-24'	2.699	.083 HREW	20'-24'	22.42	.250 A500B	20'-40'
1.175	.065 GALV	20'-24'	3.90	.120 HREW	20'-24'	27.51	.313 A500B	20'-40'
1.398	.075 HREW	20'-24'	5.59	.188 A500B	20'-24'	32.58	.375 A500B	20'-40'
1.600	.083 HREW	20'-24'	7.11	.250 A500B	20'-24'	2-1/2 X 3		
1.815	.095 HREW	20'-24'	1-1/2 x 4			4.33	.120 A500B	20'-40'
2.062	.109 HREW	20'-24'	3.01	.083 HREW	20'-24'	6.25	.188 A500B	20'-40'
2.252	.120 HREW	20'-24'	3.43	.095 HREW	20'-24'	2-1/2 X 3-1/2		
3.352	.188 A500B	20'-24'	4.292	.120 HREW	20'-24'	4.75	.120 A500B	20'-40'
1 x 2-1/2			6.210	.188 A500B	20'-24'	6.87	.188 A500B	20'-40'
1.490	.065 HREW	20'-24'	2 x 2-1/2			8.80	.250 A500B	20'-40'
1.882	.083 HREW	20'-24'	2.38	.083 A500B	20'-24'	10.58	.313 A500B	20'-40'
2.660	.120 HREW	20'-24'	3.48	.120 A500B	20'-24'	11.74	.375 A500B	20'-40'
1 x 3			5.07	.188 A500B	20'-24'			
1.711	.065 CREW	20'-24'	2 x 3					
2.10	.083 HREW	20'-24'	2.153	.065 HREW	20'-24'			
			2.474	.075 HREW	20'-24'			
			2.699	.083 HREW	20'-24'			
			3.03	.095 HREW	20'-24'			

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



RECTANGULAR TUBING

#/FT	WALL	STOCK LENGTHS	#/FT	WALL	STOCK LENGTHS	#/FT	WALL	STOCK LENGTHS
2-1/2 x 4			3 x 12			5 x 7		
5.108	.120 A500B	20'-40'	18.35	.188 A500B	20'-40'	14.53	.188 A500B	20'-40'
7.513	.188 A500B	20'-40'	24.12	.250 A500B	20'-40'	19.02	.250 A500B	20'-48'
9.652	.250 A500B	20'-40'	28.76	.313 A500B	20'-40'	23.34	.313 A500B	20'-48'
2-1/2 x 5			4 x 5			5 x 9		
6.163	.120 A500B	20'-40'	10.70	.188 A500B	20'-40'	22.42	.250 A500B	20'-37'
8.753	.188 A500B	20'-40'	13.91	.250 A500B	20'-40'	27.59	.313 A500B	20'-37'
11.361	.250 A500B	20'-40'	16.96	.313 A500B	20'-40'	32.58	.375 A500B	20'-37'
3 x 4			4 x 6			5 x 10		
3.80	.083 A500B	20'-40'	7.84	.120 A500B	20'-40'	18.35	.188 A500B	20'-40'
5.39	.120 A500B	20'-40'	11.97	.188 A500B	20'-48'	24.12	.250 A500B	20'-40'
8.15	.188 A500B	20'-40'	15.62	.250 A500B	20'-48'	35.13	.375 A500B	20'-37'
10.51	.250 A500B	20'-40'	19.08	.313 A500B	20'-48'	45.50	.500 A500B	20'-37'
12.70	.313 A500B	20'-40'	22.37	.375 A500B	20'-48'	55.85	.625 A500B	20'-37'
14.11	.375 A500B	20'-40'	28.43	.500 A500B	20'-48'	6 x 8		
19.50	.500 A500B	20'-40'	4 x 7			17.08	.188 A500B	20'-56'
3 x 5			13.25	.188 A500B	20'-40'	22.42	.250 A500B	20'-56'
6.21	.120 A500B	20'-40'	17.32	.250 A500B	20'-40'	27.59	.313 A500B	20'-56'
9.42	.188 A500B	20'-40'	21.27	.313 A500B	20'-40'	32.58	.375 A500B	20'-56'
12.20	.250 A500B	20'-40'	24.93	.375 A500B	20'-40'	42.05	.500 A500B	20'-56'
14.83	.313 A500B	20'-40'	31.84	.500 A500B	20'-40'	50.77	.625 A500B	20'-37'
17.27	.375 A500B	20'-40'	4 x 8			6 x 9		
21.63	.500 A500B	20'-40'	9.48	.120 A500B	20'-40'	24.12	.250 A500B	40'
3 x 6			14.53	.188 A500B	20'-40'	34.27	.375 A500B	40'
7.02	.120 A500B	20'-40'	19.02	.250 A500B	20'-48'	45.5	.500 A500B	40'
10.70	.188 A500B	20'-40'	23.34	.313 A500B	20'-48'	55.85	.625 A500B	40'
13.91	.250 A500B	20'-40'	27.48	.375 A500B	20'-48'	6 x 10		
16.96	.313 A500B	20'-40'	35.24	.500 A500B	20'-48'	19.63	.188 A500B	20'-56'
19.82	.375 A500B	20'-40'	42.27	.625 A500B	20'-48'	25.82	.250 A500B	20'-56'
25.01	.500 A500B	20'-40'	4 x 10			31.84	.313 A500B	20'-56'
3 x 7			17.08	.188 A500B	20'-40'	37.69	.375 A500B	20'-56'
11.97	.188 A500B	20'-40'	22.42	.250 A500B	20'-48'	48.85	.500 A500B	20'-56'
15.62	.250 A500B	20'-40'	27.59	.313 A500B	20'-48'	59.32	.625 A500B	20'-56'
19.08	.313 A500B	20'-40'	32.58	.375 A500B	20'-48'	6 x 12		
22.37	.375 A500B	20'-40'	42.05	.500 A500B	20'-48'	22.18	.188 A500B	20'-48'
28.43	.500 A500B	20'-40'	50.76	.625 A500B	20'-37'	29.23	.250 A500B	20'-48'
3 x 8			4 x 12			36.10	.313 A500B	20'-48'
8.69	.120 A500B	40'	19.63	.188 A500B	20'-48'	42.79	.375 A500B	20'-48'
13.25	.188 A500B	20'-40'	25.82	.250 A500B	20'-48'	55.66	.500 A500B	20'-48'
17.32	.250 A500B	20'-40'	31.84	.313 A500B	20'-48'	67.82	.625 A500B	20'-48'
21.21	.313 A500B	20'-48'	37.69	.375 A500B	20'-48'	6 x 14		
24.93	.375 A500B	20'-48'	48.85	.500 A500B	20'-48'	32.63	.250 A500B	20'-56'
31.81	.500 A500B	20'-48'	59.32	.625 A500B	20'-48'	40.35	.313 A500B	20'-56'
3 x 9			4 x 14			47.90	.375 A500B	20'-56'
14.53	.188 A500B	20'-37'	29.23	.250 A500B	20'-56'	62.46	.500 A500B	20'-56'
19.02	.250 A500B	20'-37'	36.10	.313 A500B	20'-56'	76.33	.625 A500B	20'-56'
23.34	.313 A500B	20'-37'	42.79	.375 A500B	20'-56'	6 x 18		
27.48	.375 A500B	20'-37'	55.66	.500 A500B	20'-56'	39.43	.250 A500B	20'-56'
35.24	.500 A500B	20'-37'	67.82	.625 A500B	20'-56'	48.86	.313 A500B	20'-56'
3 x 10			4 x 16			58.10	.375 A500B	20'-56'
15.80	.188 A500B	20'-40'	32.63	.250 A500B	20'-56'	76.07	.500 A500B	20'-56'
20.72	.250 A500B	20'-40'	40.35	.313 A500B	20'-56'	7 x 9		
30.02	.375 A500B	20'-37'	47.90	.375 A500B	20'-56'	19.63	.188 A500B	20'-40'
41.49	.500 A500B	20'-37'	62.46	.500 A500B	20'-56'	25.82	.250 A500B	20'-40'
47.73	.625 A500B	20'-37'	76.33	.625 A500B	20'-56'	37.69	.375 A500B	20'-37'
3 x 10			4 x 20			48.85	.500 A500B	20'-37'
15.80	.188 A500B	20'-40'	48.86	.313 A500B	20'-56'	59.32	.625 A500B	40'
20.72	.250 A500B	20'-40'	58.10	.375 A500B	20'-56'	5 x 6		
30.02	.375 A500B	20'-37'	76.07	.500 A500B	20'-56'	13.25	.188 A500B	20'-56'
41.49	.500 A500B	20'-37'	5 x 6			17.32	.250 A500B	20'-56'
47.73	.625 A500B	20'-37'	13.25	.188 A500B	20'-56'	21.21	.313 A500B	20'-56'
3 x 10			17.32	.250 A500B	20'-56'	24.93	.375 A500B	20'-56'
15.80	.188 A500B	20'-40'	21.21	.313 A500B	20'-56'	31.84	.500 A500B	20'-56'
20.72	.250 A500B	20'-40'	24.93	.375 A500B	20'-56'	PLEASE INQUIRE ON UNLISTED AND LARGER SIZES		
30.02	.375 A500B	20'-37'	31.84	.500 A500B	20'-56'			
41.49	.500 A500B	20'-37'						
47.73	.625 A500B	20'-37'						

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



RECTANGULAR TUBING

	#/FT	WALL	STOCK LENGTHS
8 x 10	22.18	.188 A500B	20'-48'
	29.23	.250 A500B	20'-48'
	36.10	.313 A500B	20'-48'
	42.79	.375 A500B	20'-48'
	55.66	.500 A500B	20'-48'
	67.82	.625 A500B	20'-48'
8 x 12	24.73	.188 A500B	20'-48'
	32.63	.250 A500B	20'-48'
	40.35	.313 A500B	20'-48'
	47.90	.375 A500B	20'-48'
	62.46	.500 A500B	20'-48'
	76.33	.625 A500B	20'-48'
8 x 16	39.43	.250 A500B	20'-56'
	48.86	.313 A500B	20'-56'
	58.10	.375 A500B	20'-56'
	76.07	.500 A500B	20'-56'
	93.25	.625 A500B	40'
8 x 20	57.45	.313 A500B	20'-56'
	68.31	.375 A500B	20'-56'
	89.68	.500 A500B	20'-56'
	110.35	.625 A500B	40'
10 x 12	36.55	.250 A500B	20'-56'
	52.99	.375 A500B	20'-56'
	68.25	.500 A500B	20'-56'
10 x 14	39.43	.250 A500B	20'-56'
	48.86	.313 A500B	20'-56'
	58.10	.375 A500B	20'-56'
	76.07	.500 A500B	20'-56'
	93.25	.625 A500B	20'-56'
12 x 16	57.36	.313 A500B	20'-56'
	68.31	.375 A500B	20'-56'
	89.68	.500 A500B	20'-56'
	110.35	.625 A500B	40'-48'
12 x 20	65.87	.313 A500B	20'-56'
	78.52	.375 A500B	20'-56'
	103.30	.500 A500B	20'-56'
	127.30	.625 A500B	20'-40'



Lathrop



Phoenix



Vancouver, WA

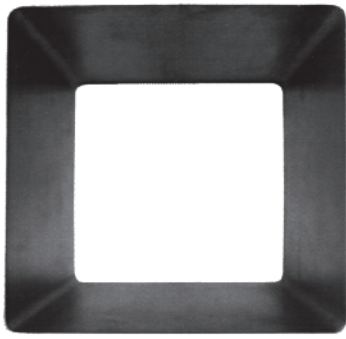


Yard Inventory - Azusa



Santee

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



JUMBO HSS

JUMBO HSS SQUARE WEIGHTS AND DIMENSIONS

SHAPE	DESIGN WALL THICKNESS	NOMINAL WEIGHT	AREA	b/t	h/t	TORSION						SURFACE AREA
	in.					lbs./ft.	in. ²	in. ⁴	in. ³	in.	in. ³	
HSS-10" x 10" x 3/4"	0.750	89.50	26.3	10.3	10.3	364	72.8	3.72	89.4	610	127	3.12
HSS-12" x 12" x 3/4"	0.750	109.91	32.3	13.0	13.0	666	111	4.54	134	1100	188	3.79
HSS-14" x 14" x 3/4"	0.750	130.33	38.3	15.7	15.7	1100	157	5.36	188	1790	262	4.45
HSS-14" x 14" x 7/8"	0.875	149.61	44.0	13.0	13.0	1230	176	5.29	213	2030	299	4.42
HSS-16" x 16" x 3/4"	0.750	150.75	44.3	18.3	18.3	1690	211	6.18	250	2720	347	5.12
HSS-16" x 16" x 7/8"	0.875	173.43	51.0	15.3	15.3	1900	238	6.10	285	3100	398	5.08
HSS-18" x 18" x 3/8"	0.375	88.73	26.1	45.0	45.0	1340	149	7.17	172	2080	233	5.89
HSS-18" x 18" x 1/2"	0.500	116.91	34.4	33.0	33.0	1740	193	7.11	224	2720	306	5.86
HSS-18" x 18" x 5/8"	0.625	144.39	42.4	25.8	25.8	2110	234	7.05	274	3340	376	5.82
HSS-18" x 18" x 3/4"	0.750	171.16	50.3	21.0	21.0	2460	273	6.99	322	3930	445	5.79
HSS-18" x 18" x 7/8"	0.875	197.24	58.0	17.6	17.6	2780	309	6.92	368	4500	511	5.75
HSS-20" x 20" x 3/8"	0.375	98.94	29.1	50.3	50.3	1850	185	7.97	213	2870	289	6.56
HSS-20" x 20" x 1/2"	0.500	130.52	38.4	37.0	37.0	2410	241	7.92	279	3760	380	6.52
HSS-20" x 20" x 5/8"	0.625	161.40	47.4	29.0	29.0	2940	294	7.88	342	4620	468	6.49
HSS-20" x 20" x 3/4"	0.750	191.58	56.3	23.7	23.7	3430	343	7.81	403	5460	554	6.45
HSS-20" x 20" x 7/8"	0.875	221.06	65.0	19.9	19.9	3900	390	7.75	461	6260	638	6.42
HSS-22" x 22" x 3/4"	0.750	212.00	62.3	26.3	26.3	4630	421	8.62	492	7330	676	7.12
HSS-22" x 22" x 7/8"	0.875	244.88	72.0	22.1	22.1	5280	480	8.56	565	8420	778	7.08

JUMBO HSS RECTANGLE WEIGHTS AND DIMENSIONS

SHAPE	DESIGN WALL THICKNESS	NOMINAL WEIGHT	AREA	b/t	h/t	AXIS X-X				AXIS Y-Y				TORSION		SURFACE AREA
						l	s	r	Z	l	s	r	Z	J	C	
HSS-16" x 12" x 3/4"	0.750	130.33	38.3	13.0	18.3	1340	168	5.91	205	856	143	4.73	168	1710	256	4.45
HSS-20" x 12" x 3/4"	0.750	150.75	44.3	13.0	23.7	2320	232	7.24	287	1046	174	4.86	202	2360	323	5.12
HSS-24" x 12" x 1/2"	0.500	116.91	34.4	21.0	45.0	2580	215	8.66	266	883	147	5.07	164	2120	270	5.86
HSS-24" x 12" x 5/8"	0.625	144.39	42.4	16.2	35.4	3130	261	8.59	325	1070	178	5.02	201	2590	331	5.82
HSS-24" x 12" x 3/4"	0.750	171.16	50.3	13.0	29.0	3650	304	8.52	382	1240	207	4.97	235	3030	391	5.79

JUMBO HSS
Stocking Distributor





JUMBO HSS SQUARE

SECTION PROPERTIES

SHAPE	DESIGN WALL THICKNESS	NOMINAL WEIGHT	AREA	b/t	h/t	I	S	r	TORSION			SURFACE AREA
	in.								lbs./ft.	in. ²	in. ⁴	
HSS 22" x 22" x 1"	0.930	277.07	76.2	20.7	20.7	5550	505	8.53	596	8890	823	7.07
HSS 22" x 22" x "	0.814	244.88	67.3	24.0	24.0	4970	452	8.59	530	7890	729	7.10
HSS 22" x 22" x "	0.698	212.00	58.2	28.5	28.5	4350	395	8.65	462	6860	632	7.13
HSS 22" x 22" x "	0.581	178.41	48.9	34.9	34.9	3710	337	8.71	390	5790	532	7.17
HSS 22" x 22" x "	0.465	144.13	39.5	44.3	44.3	3030	275	8.76	317	4700	431	7.20
HSS 20" x 20" x 1"	0.930	249.85	68.7	18.5	18.5	4100	410	7.73	486	6600	673	6.40
HSS 20" x 20" x "	0.814	221.06	60.8	21.6	21.6	3670	367	7.77	433	5870	597	6.43
HSS 20" x 20" x "	0.698	191.58	52.6	25.7	25.7	3230	323	7.84	378	5110	519	6.47
HSS 20" x 20" x "	0.581	161.40	44.3	31.4	31.4	2750	275	7.88	320	4320	437	6.50
HSS 20" x 20" x "	0.465	130.52	35.8	40.0	40.0	2260	226	7.95	261	3510	355	6.53
HSS 20" x 20" x "	0.349	98.94	27.1	54.3	54.3	1740	174	8.01	199	2680	269	6.57
HSS 18" x 18" x 1"	0.930	222.63	61.3	16.4	16.4	2920	324	6.90	387	4740	539	5.73
HSS 18" x 18" x "	0.814	197.24	54.3	19.1	19.1	2630	292	6.96	346	4220	479	5.77
HSS 18" x 18" x "	0.698	171.16	47.1	22.8	22.8	2320	258	7.02	302	3690	417	5.80
HSS 18" x 18" x "	0.581	144.39	39.6	28.0	28.0	1980	220	7.07	257	3120	352	5.83
HSS 18" x 18" x "	0.465	116.91	32.1	35.7	35.7	1630	181	7.13	210	2540	286	5.87
HSS 18" x 18" x "	0.349	88.73	24.3	48.6	48.6	1250	139	7.17	160	1940	217	5.90
HSS 16" x 16" x 1"	0.930	195.40	53.8	14.2	14.2	1990	249	6.08	300	3270	419	5.07
HSS 16" x 16" x "	0.814	173.43	47.7	16.7	16.7	1800	225	6.14	268	2920	373	5.10
HSS 16" x 16" x "	0.698	150.75	41.5	19.9	19.9	1590	199	6.19	235	2560	326	5.13
HSS 14" x 14" x 1"	0.930	168.18	46.4	12.1	12.1	1290	184	5.27	224	2130	315	4.40
HSS 14" x 14" x "	0.814	149.61	41.2	14.2	14.2	1170	167	5.33	201	1910	281	4.43
HSS 14" x 14" x "	0.698	130.33	35.9	17.1	17.1	1040	149	5.38	177	1680	246	4.47
HSS 12" x 12" x "	0.698	109.91	30.3	14.2	14.2	631	105	4.56	127	1030	177	3.80
HSS 10" x 10" x "	0.698	89.50	24.7	11.3	11.3	347	69.4	3.75	85	578	119	3.13



JUMBO HSS RECTANGLE

SECTION PROPERTIES

SHAPE	DESIGN WALL THICKNESS	NOMINAL WEIGHT	AREA	b/t	h/t	AXIS X-X					AXIS Y-Y			TORSION		SURFACE AREA
	in.					lbs./ft.	in. ²	in. ⁴	in. ³	in.	in. ³	in. ⁴	in. ³	in.	in. ³	
HSS 34" x 10" x 1"	0.930	277.07	76.2	7.8	33.6	9600	565	11.22	750	1340	268	4.19	307	4040	555	7.07
HSS 34" x 10" x "	0.814	244.88	67.3	9.3	38.8	8600	506	11.30	668	1210	242	4.24	274	3630	494	7.10
HSS 34" x 10" x ¾"	0.698	212.00	58.2	11.3	45.7	7550	444	11.39	582	1070	214	4.29	240	3190	431	7.13
HSS 34" x 10" x "	0.581	178.41	48.9	14.2	55.5	6430	378	11.47	493	920	184	4.34	205	2720	365	7.17
HSS 30" x 10" x 1"	0.930	249.85	68.7	7.8	29.3	6900	460	10.02	606	1184	237	4.15	273	3460	487	6.40
HSS 30" x 10" x "	0.814	221.06	60.8	9.3	33.9	6190	413	10.09	540	1073	215	4.20	245	3110	434	6.43
HSS 30" x 10" x ¾"	0.698	191.58	52.6	11.3	40.0	5440	363	10.17	471	952	190	4.25	215	2730	379	6.47
HSS 30" x 10" x "	0.581	161.40	44.3	14.2	48.6	4640	309	10.23	400	820	164	4.30	183	2330	321	6.50
HSS 30" x 10" x ½"	0.465	130.52	35.8	18.5	61.5	3810	254	10.32	326	679	136	4.36	149	1910	262	6.53
HSS 24" x 12" x 1"	0.930	222.63	61.3	9.9	22.8	4340	362	8.41	459	1460	243	4.88	282	3630	472	5.73
HSS 24" x 12" x "	0.814	197.24	54.3	11.7	26.5	3910	326	8.49	410	1320	220	4.93	252	3250	420	5.77
HSS 24" x 12" x ¾"	0.698	171.16	47.1	14.2	31.4	3440	287	8.55	359	1170	195	4.98	221	2850	366	5.80
HSS 24" x 12" x "	0.581	144.39	39.6	17.7	38.3	2940	245	8.62	304	1000	167	5.03	188	2430	310	5.83
HSS 24" x 12" x ½"	0.465	116.91	32.1	22.8	48.6	2420	202	8.68	248	830	138	5.08	154	1980	252	5.87
HSS 24" x 12" x "	0.349	88.73	24.3	31.4	65.8	1860	155	8.75	190	640	107	5.13	118	1520	192	5.90
HSS 20" x 12" x 1"	0.930	195.40	53.8	9.9	18.5	2740	274	7.14	344	1229	205	4.78	241	2820	390	5.07
HSS 20" x 12" x "	0.814	173.43	47.7	11.7	21.6	2480	248	7.21	308	1114	186	4.83	216	2530	347	5.10
HSS 20" x 12" x ¾"	0.698	150.75	41.5	14.2	25.7	2190	219	7.26	270	988	165	4.88	190	2220	303	5.13
HSS 20" x 8" x 1"	0.930	168.18	46.4	5.6	18.5	2060	206	6.66	273	472	118	3.19	140.5	1322	248	4.40
HSS 20" x 8" x "	0.814	149.61	41.2	6.8	21.6	1880	188	6.76	246	432	108	3.24	126.9	1199	222	4.43
HSS 20" x 8" x ¾"	0.698	130.33	35.9	8.5	25.7	1668	166.8	6.82	216	388	97	3.29	112.3	1064	195	4.47
HSS 18" x 6" x ¾"	0.698	109.91	30.3	5.6	22.8	1061	118	5.92	158	179	59.7	2.43	70.4	530	127	3.80
HSS 16" x 12" x 1"	1.000	168.18	49.4	9.0	13.0	1650	206	5.78	258	1051	175	4.61	211	2150	326	4.38
HSS 16" x 12" x "	0.814	149.61	41.2	11.7	16.7	1430	179	5.89	219	910	152	4.70	179	1830	274	4.43
HSS 16" x 12" x ¾"	0.698	130.33	35.9	14.2	19.9	1266	158	5.94	193	810	135	4.75	158	1610	240	4.47
HSS 16" x 8" x "	0.814	125.79	34.7	6.8	16.7	1050	131	5.50	170	348	87	3.17	103.6	888	176	3.77
HSS 16" x 8" x ¾"	0.698	109.91	30.3	8.5	19.9	939	117.4	5.57	150	314	78.5	3.22	91.9	790	155	3.80
HSS 14" x 10" x "	0.814	125.79	34.7	9.3	14.2	886	126.6	5.05	158	522	104.4	3.88	124.9	1097	195	3.77
HSS 14" x 10" x ¾"	0.698	109.91	30.3	11.3	17.1	792	113.1	5.11	139.7	468	93.6	3.93	110.6	970	171	3.80



JUMBO HSS ROUND

SECTION PROPERTIES

SHAPE	OD	NOMINAL WALL THICKNESS	DESIGN WALL THICKNESS	NOMINAL WT.	AREA	D/t	I	S	r	Z	J	C	SURFACE AREA
	in.	in.	in.	lbs./ft.	in. ²		in. ⁴	in. ³	in.	in. ³	in. ⁴	in. ³	ft. ² /ft.
HSS 28" x 1.000"	28	1.000	0.930	288.63	79.1	30.1	7250	518	9.57	682	14500	1036	7.33
HSS 28" x 0.875"	28	0.875	0.814	253.72	69.5	34.4	6430	459	9.62	602	12860	919	7.33
HSS 28" x 0.750"	28	0.750	0.698	218.48	59.9	40.1	5580	399	9.65	520	11160	797	7.33
HSS 28" x 0.625"	28	0.625	0.581	182.90	50.0	48.2	4710	336	9.71	437	9420	673	7.33
HSS 28" x 0.500"	28	0.500	0.465	146.99	40.2	60.2	3810	272	9.74	353	7620	544	7.33
HSS 24" x 1.000"	24	1.000	0.930	245.87	67.4	25.8	4490	374	8.16	495	8980	748	6.28
HSS 24" x 0.875"	24	0.875	0.814	216.31	59.3	29.5	3990	333	8.20	438	7980	665	6.28
HSS 24" x 0.750"	24	0.750	0.698	186.41	51.1	34.4	3470	289	8.24	379	6940	578	6.28
HSS 24" x 0.625"	24	0.625	0.581	156.18	42.7	41.3	2930	244	8.28	319	5860	488	6.28
HSS 24" x 0.500"	24	0.500	0.465	125.61	34.4	51.6	2380	198	8.32	258	4760	397	6.28
HSS 24" x 0.375"	24	0.375	0.349	94.71	25.9	68.8	1810	151	8.36	195	3620	302	6.28
HSS 20" x 1.000"	20	1.000	0.930	203.11	55.7	21.5	2540	254	6.75	338	5080	508	5.24
HSS 20" x 0.875"	20	0.875	0.814	178.89	49.1	24.6	2260	226	6.78	300	4520	452	5.24
HSS 20" x 0.750"	20	0.750	0.698	154.34	42.3	28.7	1970	197	6.82	260	3940	394	5.24
HSS 18" x 1.000"	18	1.000	0.930	181.73	49.9	19.4	1820	202	6.04	271	3640	404	4.71
HSS 18" x 0.875"	18	0.875	0.814	160.19	43.0	22.1	1626	181	6.09	241	3250	361	4.71
HSS 18" x 0.750"	18	0.750	0.698	138.30	37.9	25.8	1422	158	6.13	209	2840	316	4.71
HSS 16" x 1.000"	16	1.000	0.930	160.35	44.0	17.2	1255	157	5.34	211	2510	314	4.19
HSS 16" x 0.875"	16	0.875	0.814	141.48	38.8	19.7	1123	140.4	5.38	188	2250	281	4.19
HSS 16" x 0.750"	16	0.750	0.698	122.27	33.6	22.9	984	123	5.41	163.6	1970	246	4.19
HSS 14" x 1.000"	14	1.000	0.930	138.97	38.2	15.1	820	117.1	4.63	159	1640	234	3.67
HSS 14" x 0.875"	14	0.875	0.814	122.77	33.7	17.2	736	105.1	4.67	141.7	1472	210	3.67
HSS 14" x 0.750"	14	0.750	0.698	106.23	29.2	20.1	647	92.4	4.71	123.6	1294	185	3.67
HSS 12.75" x 0.875"	12.75	0.875	0.814	111.08	30.5	15.7	546	85.6	4.23	116.1	1092	171	3.34
HSS 12.75" x 0.750"	12.75	0.750	0.698	96.21	26.4	18.3	481	75.5	4.27	101.5	962	151	3.34

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 butt weld, 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.

STAINLESS STEEL PRESSURE TUBING

ASTM A-106 A & B



ROUND TUBING, 1010 MECHANICAL A513-1

	#/FT	WALL	STOCK LENGTHS		#/FT	WALL	STOCK LENGTHS		#/FT	WALL	STOCK LENGTHS
3/8	.1271	.035 CREW	20'- 24'		.7593	.049 CREW	20'- 24'		5.646	.188 HREW/HSS	20'- 24'
	.1706	.049 CREW	20'- 24'		.9962	.065 CREW	20'- 24'		7.342	.250 A500B	20'- 24'
					1.256	.075 HREW	20'- 24'		3-1/2	1.806	.049 CREW
1/2	.1738	.035 CREW	20'- 24'	1.256	.083 HREW	20'- 24'	2.385	.065 CREW		20'- 24'	
	.2360	.049 CREW	20'- 24'	1.426	.095 HREW	20'- 24'	4.332	.120 HREW		20'- 24'	
	.3020	.065 CREW	20'- 24'	1.769	.120 A500B	20'- 24'	6.650	.188 HREW/HSS	20'- 24'		
			2.634	.188 A500B	20'	4	2.732	.065 HREW	20'- 24'		
5/8	.2205	.035 CREW	20'- 24'	1-5/8	.8248		.049 CREW	20'- 24'	3.472	.083 HREW	20'- 24'
	.3014	.049 CREW	20'		1.083		.065 CREW	20'- 24'	4.973	.120 HREW	20'- 24'
	.3888	.065 HREW	20'- 24'		1.241	.075 HREW	20'- 24'	5.533	.134 HREW	20'- 24'	
.4805	.083 HREW	20'- 24'	1.367	.083 HREW	20'- 24'	7.344	.188 HREW	20'- 24'			
3/4	.2673	.035 CREW	20'- 24'	1.552	.095 HREW	20'- 24'	10.01	.250 A500B	20'- 24'		
	.3668	.049 CREW	20'- 24'	1.929	.120 HREW	20'- 24'	4-1/2	3.067	.065 HREW	20'- 24'	
	.4755	.065 CREW	20'- 24'	1-3/4	.8902	.049 CREW		20'- 24'	5.613	.120 HREW	20'- 24'
.5913	.083 HREW	20'- 24'	1.170		.065 HREW	20'- 24'		8.658	.188 HREW	20'- 24'	
.6646	.095 HREW	20'- 24'	1.478		.083 HREW	20'- 24'	5	3.426	.065 HREW	20'- 24'	
.8074	.120 HREW	20'- 24'	1.679	.095 HREW	20'- 24'	4.359		.083 HREW	20'- 24'		
7/8	.4323	.049 CREW	20'- 24'	2.089	.120 HREW	20'- 24'		6.254	.120 HREW	20'- 24'	
	.5623	.065 CREW	20'- 24'	1-7/8	.6878	.035 CREW FR	20'- 24'	9.266	.188 HREW	20'- 24'	
	.6410	.075 HREW	20'- 24'		.95556	.049 CREW FR	20'- 24'	12.68	.250 A500B	20'- 24'	
.7020	.083 HREW	20'- 24'	1.257		.065 CREW	20'- 24'	6	4.120	.065 CREW FR	20'- 24'	
.7914	.095 HREW	20'- 24'	1.806	.095 HREW	20'- 24'	7.536		.120 HREW FR	20'- 24'		
.9676	.120 HREW	20'- 24'	2.056	.109 HREW	20'- 24'	11.67		.188 HREW FR	20'- 24'		
1	.3607	.035 CREW	20'- 24'	2.249	.120 HREW	20'- 24'	15.35	.250 HREW	20'- 24'		
	.4977	.049 CREW	20'- 24'	2	1.021	.049 CREW	20'- 24'	22.58	.375 A500B	20'- 40'	
	.6491	.065 CREW	20'- 24'		1.343	.065 CREW	20'- 24'	29.37	.500 A500B	20'- 40'	
.8129	.083 CREW	20'- 24'	1.699		.083 HREW	20'- 24'	7	5.54	.075 A500B	20'	
.9182	.095 HREW	20'- 24'	1.933	.095 HREW	20'- 24'	18.02		.250 A500B	20'- 40'		
1.037	.109 HREW	20'- 24'	2.409	.120 HREW	20'- 24'	26.53		.375 A500B	20'- 40'		
1.128	.120 HREW	20'- 24'	2-1/8	1.086	.049 CREW	20'- 24'	34.71	.500 A500B	20'- 40'		
1-1/8	.5631	.049 CREW		20'- 24'	2.570	.120 HREW	20'- 24'	8	6.10	.075 HREW	20'- 24'
	.7359	.065 CREW		20'- 24'	2-1/4	1.152	.049 CREW		20'- 24'	7.02	.083 HREW
	.8410	.075 HREW	20'- 24'	1.517		.065 CREW FC	20'- 24'		10.099	.120 HREW	20'- 24'
.9237	.083 HREW	20'- 24'	2.186	.095 HREW		20'- 24'	40.05	.500 A500B	20'- 40'		
1.288	.120 HREW	20'- 24'	2.730	.120 HREW	20'- 24'	10	7.95	.075 HREW	20'- 24'		
1-1/4	.6285	.049 CREW	20'- 24'	2-3/8	1.604		.065 CREW FC	20'- 24'	12.662	.120 HREW/HSS	20'- 24'
	.8226	.065 HREW	20'- 24'		2.890		.120 HREW	20'- 24'	38.55	.375 A500B	20'- 40'
	1.033	.075 HREW	20'- 24'		2-1/2	1.283	.049 CREW	20'- 24'	50.73	.500 A500B	20'- 40'
1.034	.083 HREW	20'- 24'	1.690	.065 HREW		20'- 24'	3	1.544	.049 CREW	20'- 24'	
1.172	.095 HREW	20'- 24'	2.143	.083 HREW		20'- 24'		2.037	.065 CREW	20'- 24'	
1.448	.120 HREW	20'- 24'	2.440	.095 HREW	20'- 24'	2.586		.083 HREW	20'- 24'		
1-3/8	.6939	.049 CREW	20'- 24'	3.050	.120 HREW	20'- 24'	2.947	.095 HREW	20'- 24'		
	.9094	.065 CREW	20'- 24'	3	1.544	.049 CREW	20'- 24'	3.691	.120 HREW	20'- 24'	
	1.041	.075 HREW	20'- 24'		2.037	.065 CREW	20'- 24'	1-1/2	.5476	.035 CREW	20'- 24'
1.608	.120 HREW	20'- 24'	2.586		.083 HREW	20'- 24'					



PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



DOM MECHANICAL TUBING (1020, 1026 A513-5) + HSS TUBE (A500B)

OD	WALL	WF/FT	OD	WALL	WF/FT	OD	WALL	WF/FT	OD	WALL	WF/FT
0.125				0.134	0.880		0.188	1.880		0.095	1.430
	0.028	0.030		0.156	0.990		0.219	2.120		0.109	1.620
0.313				0.188	1.130		0.250	2.340	HSS 0.120		1.770
	0.083	0.200		0.219	1.240		0.281	2.530		0.125	1.840
0.375				0.250	1.340		0.313	2.710		0.134	1.950
	0.035	0.127	0.813			1.188			HSS 0.188		2.630
	0.049	0.170		0.065	0.520		0.065	0.780		0.219	3.000
	0.058	0.200		0.083	0.650		0.083	0.980		0.250	3.340
	0.065	0.215		0.095	0.730		0.095	1.110		0.281	3.660
	0.083	0.258		0.109	0.820		0.120	1.370		0.313	3.970
	0.095	0.280		0.125	0.920		0.156	1.720		0.344	4.250
	0.120	0.330	0.875				0.188	2.010		0.375	4.510
0.438				0.049	0.430		0.250	2.500	1.563		
	0.028	0.120		0.058	0.510		0.313	2.920		0.120	1.850
	0.058	0.240		0.065	0.560	1.250				0.156	2.340
	0.083	0.310		0.083	0.700		0.035	0.450		0.188	2.760
	0.095	0.347		0.095	0.790		0.049	0.630		0.250	3.500
	0.120	0.406		0.109	0.890		0.065	0.820	1.625		
.0500				0.120	0.970		0.083	1.030		0.065	1.080
	0.028	0.140		0.156	1.40		0.095	1.170		0.095	1.550
	0.035	0.174		0.188	1.380		0.109	1.330		0.109	1.760
	0.049	0.240		0.219	1.530		0.120	1.450		0.120	1.930
	0.058	0.274		0.250	1.670		0.125	1.500		0.134	2.130
	0.065	0.300	0.938				0.134	1.600		0.156	2.450
	0.083	0.370		0.095	0.850		0.156	1.820		0.188	2.890
	0.095	0.410		0.120	1.047		0.188	2.130		0.219	3.290
	0.120	0.490		0.134	1.150		0.219	2.410		0.250	3.670
	0.125	0.500		0.156	1.300		0.245	2.410		0.313	4.390
	0.134	0.520		0.188	1.500		0.250	2.670		0.375	5.010
	0.156	0.570		0.250	1.83		0.281	2.908	1.660		
	0.188	0.630	1.000				0.305	3.130	HSS 0.140		2.270
0.563				0.035	0.360		0.313	3.130	HSS 0.191		3.000
	0.049	0.270		0.049	0.500		0.344	3.330	1.750		
	0.065	0.345		0.058	0.058		0.375	3.500		0.049	0.890
	0.083	0.425		0.065	0.065	1.313				0.065	1.170
	0.095	0.470		0.083	0.810		0.065	0.870		0.083	1.480
	0.120	0.567		0.095	0.920		0.109	1.400		0.095	1.680
0.625				0.109	1.040		0.120	1.530		0.109	1.910
	0.035	0.220		0.120	1.130		0.156	1.930		0.120	2.090
	0.049	0.300		0.125	1.170		0.134	1.690		0.125	2.170
	0.058	0.350		0.134	1.240		0.188	2.260		0.134	2.320
	0.065	0.390		0.156	1.410		0.313	3.20		0.156	2.660
	0.083	0.480		0.188	1.630	1.375				0.188	3.140
	0.095	0.540		0.219	1.830		0.065	0.910		0.219	3.580
	0.109	0.600		0.250	2.000		0.095	1.300		0.250	4.010
	0.120	0.650		0.281	2.158		0.109	1.470		0.281	4.410
	0.125	0.650		0.313	2.300		0.120	1.610		0.313	4.800
	0.134	0.700	1.063				0.134	1.780		0.375	5.510
	0.156	0.780		0.065	0.690		0.156	2.030		0.438	6.140
	0.188	0.880		0.083	0.870		0.188	2.380	1.813	0.500	6.680
0.688				0.120	1.208		0.219	2.700		0.250	4.170
	0.083	0.540		0.134	1.330		0.250	3.000	1.875		
	0.095	0.600		0.156	1.510		0.281	3.280		0.065	1.260
	0.120	0.730		0.188	1.760		0.313	3.550		0.095	1.810
0.750				0.250	2.170		0.375	4.010		0.120	2.250
	0.035	0.270	1.125			1.438				0.156	2.860
	0.049	0.366		0.049	0.560		0.120	1.690		0.188	3.390
	0.058	0.428		0.065	0.740		0.188	2.508		0.219	3.870
	0.065	0.475		0.083	0.920		0.219	2.850		0.250	4.340
	0.083	0.590		0.095	1.050		0.250	3.170		0.281	4.780
	0.095	0.634		0.109	1.180	1.500				0.313	5.220
	0.109	0.746		0.120	1.290		0.035	0.550		0.375	6.010
	0.120	0.807		0.134	1.410		0.065	1.000		0.438	6.720
				0.156	1.610		0.083	1.260	1.900 HSS 0.200		3.630

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



DOM MECHANICAL TUBING (1020, 1026 A513-5) + HSS TUBE (A500B)

OD	WALL	WF/FT	OD	WALL	WF/FT	OD	WALL	WF/FT	OD	WALL	WF/FT
2.000			2.500								
	0.049	1.020		0.065	1.690		0.250	7.680		HSS 0.188	7.650
	0.065	1.340		0.083	2.140		0.313	9.400			0.219 8.840
	0.083	1.700		0.095	2.440		0.375	11.014		HSS 0.250	10.010
	0.095	1.930		0.109	2.780		0.438	12.570		HSS 0.313	12.330
	0.109	2.200		0.120	3.050		0.500	14.020		HSS 0.375	14.520
	0.120	2.410		0.125	3.170	3.250					0.438 16.660
	0.125	2.500		0.134	3.390		0.065	2.142			0.500 18.690
	0.134	2.670		0.156	3.910		0.095	3.200			0.563 20.670
	0.156	3.070	HSS 0.188	3.640			0.120	4.010			0.625 22.530
	0.188	3.670		0.219	5.340		0.125	4.170	4.125		
	0.219	4.170		0.250	6.010		0.134	4.450			0.188 7.900
	0.250	4.670		0.281	6.660		0.188	6.148			0.250 10.350
	0.281	5.160		0.313	7.310	3.375					0.313 12.740
	0.313	5.640		0.375	8.510		0.188	6.400			0.438 17.250
	0.344	6.080		0.438	9.650		0.250	8.340	4.250		
	0.375	6.510		0.500	10.680		0.313	10.240			0.095 4.220
	0.438	7.310		0.563	11.650		0.375	12.020			0.125 5.510
	0.500	8.010		0.625	12.520		0.500	15.350			0.188 8.160
	0.625	9.180	2.563			3.500					0.250 10.680
2.125				0.250	6.170		0.065	2.380			0.375 15.520
	0.065	1.430	2.625				0.083	3.030			0.438 17.830
	0.083	1.810		0.065	1.780		0.095	3.450			0.500 20.030
	0.095	2.060		0.120	3.210		0.120	4.330			0.625 24.200
	0.120	2.570		0.120	3.210		0.125	4.510	4.375		
	0.156	3.280		0.188	4.890		0.134	4.820			0.188 8.410
	0.188	3.890		0.250	6.340		0.156	5.570			0.500 20.690
	0.219	4.460		0.313	7.730		0.188	6.650			0.625 25.030
	0.250	5.010		0.375	9.010		0.219	7.670	4.500		
	0.313	6.060		0.438	10.230		HSS 0.250	8.680			0.120 5.610
	0.375	7.010	2.750				HSS 0.313	10.650			0.125 5.840
	0.500	8.680		0.500	11.350		0.375	12.520			0.134 6.250
2.250				0.065	1.860		0.438	14.320			0.188 8.660
	0.065	1.520		0.095	2.690		0.500	16.020			0.219 10.010
	0.095	2.190		0.120	3.370		0.625	19.190			HSS 0.250 11.430
	0.109	2.490		0.125	3.500	3.625					HSS 0.337 14.980
	0.120	2.730		0.188	5.140		0.188	6.900			0.375 16.520
	0.125	2.840		0.219	5.920		0.250	9.010			0.438 19.000
	0.134	3.030		0.250	6.680		0.313	11.070			0.500 21.360
	0.156	3.490		0.313	8.150		0.375	13.020			0.625 25.870
	0.188	4.140		0.344	8.840		0.438	14.910	4.625		
	0.219	4.750		0.375	9.510		0.500	16.690			0.188 8.910
	0.250	5.340		0.438	10.820		0.625	20.030			0.250 11.680
	0.281	5.910		0.500	12.020	3.750					0.313 14.410
	0.313	6.400		0.563	13.150		0.120	4.650			
	0.344	7.000		0.625	14.180		0.188	7.150	4.750		
	0.375	7.510	2.875				0.250	9.350			0.120 5.930
	0.438	8.480		0.120	3.530		0.313	11.490			0.125 6.170
	0.500	9.350	3.000				0.375	13.520			0.188 9.160
	0.625	10.850		0.083	2.590		0.438	15.490			0.250 12.020
2.375				0.095	2.950		0.500	17.360			0.313 14.830
	0.065	1.600		0.120	3.690		0.625	20.860			0.375 17.520
	0.095	2.310		0.134	4.100	3.875					0.438 20.170
	0.120	2.890		0.188	5.650		0.188	7.400			0.500 22.700
	HSS 0.154	3.700		0.219	6.500		0.250	9.680			0.625 27.530
	HSS 0.219	5.040	HSS 0.250	7.340			0.375	14.020	5.000		
	HSS 0.250	5.670		0.281	8.160		0.500	18.020			0.120 6.250
	0.281	6.280		0.313	8.980						0.125 6.510
	0.313	6.890		0.375	10.510	4.000					0.188 9.660
	0.375	8.010		0.438	11.980		0.065	2.730			HSS 0.250 12.680
	0.438	9.060		0.500	13.350		0.083	3.470			HSS 0.313 15.670
	0.500	10.010	3.125	0.625	15.850		0.095	3.960			HSS 0.375 18.520
2.438				0.125	4.010		0.120	4.970			0.438 21.340
	0.250	6.010		0.188	5.900		0.125	5.170			HSS 0.500 24.030
							0.134	5.530			0.625 29.200
							0.156	6.400			

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



DOM MECHANICAL TUBING (1020, 1026 A513-5) + HSS TUBE (A500B)

OD	WALL	WF/FT	OD	WALL	WF/FT	OD	WALL	WF/FT	OD	WALL	WF/FT
5.125				0.375	23.530		HSS 0.375	30.540	10.000		
	0.313	16.090		0.500	30.710		HSS 0.500	40.050		HSS 0.250	26.030
	0.500	24.700		0.625	37.550		0.625	49.230		HSS 0.375	38.550
5.250			6.500			8.250				HSS 0.500	50.730
	0.120	6.570		0.188	12.670		0.250	21.360		HSS 0.625	62.580
	0.125	6.840		0.250	16.690		0.375	31.540	10.500		
	0.250	13.350		0.375	24.530		0.500	41.390		0.500	53.400
	0.313	16.500		0.500	32.040	8.500					
	0.375	19.520		0.625	39.220		0.250	22.030	10.750		
	0.500	25.370	6.625				0.375	32.540		HSS 0.250	28.040
	0.625	30.870		HSS 0.250	17.020		0.500	42.720		HSS 0.375	41.550
5.500				HSS 0.280	18.990	8.625				HSS 0.500	54.740
	0.120	6.900		HSS 0.375	25.030		HSS 0.188	16.940		HSS 0.625	67.584
	0.188	10.670		HSS 0.432	28.570		HSS 0.250	22.360	12.750		
	0.250	14.020		HSS 0.500	32.740		HSS 0.322	28.550		HSS 0.250	33.380
	0.313	17.340		HSS 0.562	36.390		HSS 0.375	33.040		HSS 0.375	49.560
	HSS 0.375	20.530	6.750				HSS 0.500	43.390		HSS 0.500	65.420
	HSS 0.500	26.700		0.250	17.360		HSS 0.625	53.450	14.000		
	0.625	32.540		0.375	25.530	8.750				HSS 0.250	36.710
5.563				0.500	33.380		0.375	33.540		HSS 0.313	45.800
	HSS 0.258	14.620		0.625	40.880		0.500	44.070		HSS 0.375	54.570
	HSS 0.375	20.800	7.000				0.250	23.360		HSS 0.500	72.090
	HSS 0.500	27.040		0.188	13.680		0.375	34.540		HSS 0.625	89.280
5.750				HSS 0.250	18.020	9.000					
	0.120	7.220		HSS 0.375	26.540		0.250	23.360	16.000		
	0.188	11.170		HSS 0.500	34.710		0.375	34.540		HSS 0.250	42.050
	0.250	14.690		0.625	42.440		0.500	45.390		HSS 0.375	62.580
	0.375	21.530	7.250				0.500	46.730		HSS 0.500	82.770
	0.500	28.040		0.188	14.180		0.625	57.570		HSS 0.625	102.740
	0.625	34.210		0.250	18.690	9.250					
6.000				0.500	36.050		0.250	24.700	18.000		
	0.125	7.840		0.625	44.220		0.375	36.390		HSS 0.250	47.440
	HSS 0.188	11.670	7.500							HSS 0.375	70.660
	HSS 0.250	15.350		HSS 0.250	19.360		58.060			HSS 0.500	93.540
	HSS 0.313	19.010		HSS 0.313	23.950		9.625			HSS 0.625	116.090
	HSS 0.375	22.581		HSS 0.375	28.540			HSS 0.342	33.900	20.000	
	HSS 0.500	29.370		HSS 0.500	37.400			HSS 0.375	37.050		HSS 0.250
	0.625	35.880	7.625					HSS 0.500	48.720		HSS 0.375
6.250				HSS 0.375	29.040		9.750				HSS 0.500
	0.120	7.860		HSS 0.500	38.050			0.375	37.550		HSS 0.625
	0.188	12.170	8.000					0.500	49.390		??.???
	0.250	16.020		HSS 0.250	20.920						

GUIDE SELECTION

COLD DRAWN SEAMLESS

Is made from 1026 steel. 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 a secondary importance. As an industry standard, HF seamless is manufactured to OD and wall dimensions. No color identification. 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 its 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).

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES



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

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

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

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 molded cap rail.



HOLLOW STRUCTURAL SECTION ROUNDS

Most pipe sizes are also available in HSS (Hollow Structural Sections) and conform to the A500B specifications. Our size range is from 1-1/4" std. to 20" std.

Wall thicknesses available are in standard weights as well as extra heavy. Special gauges are available upon request and are subject to mill availability.

HSS Rounds are uncoated and can be purchased in customer lengths. Some Tube O.D.'s are also available in this product line such as 4", 5", 6", 7", 8", and 10". Call our office for price and availability.

For a complete listing, please see
HSS sizes listed in red on pg 13 - 15.

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	.050max	.050max	.050max	.062max	.062max ¹ 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 possible.					

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

PLEASE INQUIRE ON UNLISTED AND LARGER SIZES

ANSI PIPE SCHEDULES

Pipe Size	OD	Sch 5	Sch 10	Sch 20	Sch 30	Sch 40	Std	Sch 60	Sch 80	XH	Sch 100	Sch 120	Sch 140	Sch 160	XXH			
1/8	.405	0.035 0.140	0.049 0.190				0.068 0.240	0.068 0.240	0.950 0.310	0.950 0.310								
1/4	.540	0.049 0.260	0.065 0.330				0.088 0.420	0.088 0.420	0.119 0.540	0.119 0.540								
3/8	.675	0.049 0.330	0.065 0.420				0.091 0.570	0.091 0.570	0.126 0.740	0.126 0.740								
1/2	.840	0.065 0.540	0.083 0.670				0.109 0.850	0.109 0.850	0.147 1.090	0.147 1.090				0.187 1.300	0.294 1.710			
3/4	1.05	0.065 0.680	0.083 0.860				0.113 1.130	0.113 1.130	0.154 1.470	0.154 1.470				0.218 1.940	0.308 2.440			
1	1.315	0.065 0.870	0.109 1.400				0.133 1.680	0.133 1.680	0.179 2.170	0.179 2.170				0.250 2.840	0.358 3.660			
1-1/4	1.660	0.065 1.110	0.109 1.810				0.140 2.270	0.140 2.270	0.191 3.000	0.191 3.000				0.250 3.770	0.382 5.210			
1-1/2	1.990	0.065 1.270	0.109 2.090				0.145 2.720	0.145 2.720	0.200 3.630	0.200 3.630				0.281 4.860	0.400 6.410			
2	2.375	0.650 1.600	0.109 2.640				0.154 3.660	0.154 3.660	0.218 5.030	0.218 5.030				0.344 7.470	0.436 9.040			
2-1/2	2.875	0.083 2.480	0.120 3.530				0.203 5.800	0.203 5.800	0.276 7.670	0.276 7.670				0.375 10.02	0.552 13.71			
3	3.500	0.083 3.030	0.120 4.340				0.216 7.580	0.216 7.580	0.300 10.26	0.300 10.26				0.438 14.34	0.600 19.60			
3-1/2	4.000	0.083 3.480	0.120 4.980				0.226 9.120	0.226 9.120	0.318 12.52	0.318 12.52					0.636 22.87			
4	4.500	0.083 3.920	0.120 5.620	0.156 7.240		0.188 8.670	0.237 10.80	0.237 10.80	0.337 15.00	0.337 15.00		0.438 19.02		0.531 22.53	0.674 27.57			
5	5.563	0.109 6.630	0.134 7.780		0.188 10.80		0.258 14.63	0.258 14.63	0.375 20.80	0.375 20.80		0.500 27.06		0.625 32.99	0.750 38.59			
6	6.625	0.109 7.590	0.134 9.300	0.156 10.79	0.188 12.94	0.219 15.00	0.280 17.04	0.280 18.99	0.432 28.60	0.432 28.60		0.562 36.43		0.719 45.39	0.864 53.21			
8	8.625	0.109 9.920	0.156 14.12	0.148 13.41	0.188 16.96	0.250 22.38	0.219 19.68	0.277 24.72	0.322 28.58	0.322 28.58	0.406 35.67	0.500 43.43	0.500 43.43	0.594 51.00	0.719 60.77	0.812 67.82	0.906 74.76	0.875 72.49
10	10.750	0.134 15.21	0.188 21.23	0.165 18.67	0.219 24.65	0.250 28.06	0.279 31.23	0.307 34.27	0.365 40.52	0.365 40.52	0.500 54.79	0.594 64.49	0.500 54.79	0.719 77.10	0.844 89.38	1.000 104.23	1.125 115.78	1.000 104.23
12	12.750	0.165 22.20	0.188 25.25	0.180 24.19	0.219 29.34	0.250 33.41	0.312 41.48	0.330 43.81	0.406 53.57	0.375 49.61	0.562 73.22	0.688 88.71	0.500 65.48	0.844 107.42	1.000 125.61	1.125 139.81	1.312 160.42	1.000 125.61
14	14.000		0.219 32.26	0.250 36.75		0.312 45.65		0.375 54.62	0.438 63.50	0.375 54.62	0.594 85.13	0.750 106.23	0.500 72.16	0.938 130.98	1.094 150.93	1.250 170.37	1.406 189.29	
16	16.000		0.219 36.95	0.250 42.09		0.312 52.32		0.375 62.64	0.500 82.85	0.375 62.64	0.656 107.60	0.844 136.74	0.500 82.85	1.031 164.98	1.219 192.61	1.468 228.05	1.594 245.48	
18	18.000			0.250 47.44		0.312 58.99		0.438 82.23	0.562 104.76	0.375 70.65	0.750 138.30	0.938 171.08	0.500 93.54	1.156 208.15	1.375 244.37	1.562 274.48	1.781 308.79	
20	20.000			0.250 52.78	0.312 65.66	0.375 78.67		0.500 104.23	0.594 123.23	0.375 78.67	0.812 166.56	1.031 209.06	0.500 104.23	1.281 256.34	1.500 296.65	1.750 341.41	1.969 379.53	
22	22.000			0.250 58.13		0.375 86.69		0.500 114.92		0.375 86.69	0.875 197.60	1.125 251.05	0.500 114.92	1.375 303.16	1.625 353.94	1.875 403.38	2.125 451.49	
24	24.000			0.250 63.47	0.312 79.01	0.375 94.71		0.562 140.81	0.688 171.45	0.375 94.71	0.969 238.57	1.219 296.86	0.500 125.61	1.531 367.74	1.812 429.79	2.062 483.57	2.344 542.64	
26	26.000	0.250 68.82		0.312 85.68		0.500 136.3				0.375 102.72			0.500 136.30					
28	28.000	0.250 75.16		0.312 92.34		0.500 146.99		0.625 182.90		0.375 110.40			0.500 146.99					
30	30.000	0.250 79.51		0.312 99.02	0.750 234.51	0.500 157.68	1.000 310.01	0.625 196.26		0.375 118.76			0.500 157.68					
32	32.000	0.250 84.85		0.312 105.99		0.500 168.37		0.625 209.62	0.688 230.29	0.375 126.78			0.500 168.37					
34	34.000	0.250 90.20		0.344 123.77		0.500 179.06		0.625 222.99	0.688 245.00	0.375 134.79			0.500 179.06					
36	36.000	0.250 95.54		0.312 119.13		0.500 189.75		0.625 236.35	0.75 282.62	0.375 142.81			0.500 189.75					
42	42.000									0.375 166.70			0.500 221.60					
48	48.000									0.375 190.70			0.500 253.60					
52	52.000									0.375 206.95			0.500 275.27					

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	2.130					
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	6.32			
----	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	8.43			
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	37.19
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	47.73
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

STAINLESS STEEL ORNAMENTAL AND STRUCTURAL TUBING ASTM A554 - WELDED — 20 FOOT LENGTHS

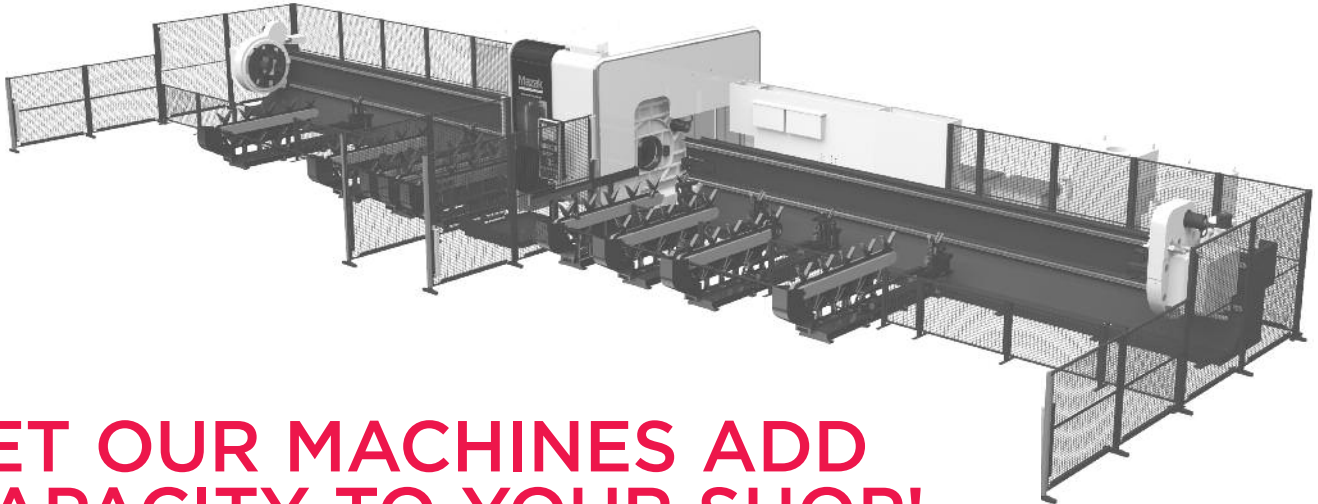
R O U N D					
SIZE O.D. WALL	WT. PER 20' LEN	304			316/316L
		MILL FINISH	POLISHED 180 GRIT	POLISHED & BUFFED	MILL FINISH
3/8" x .049	3.41	●			
1/2" x .035	3.40	●			
1/2" x .049	4.72			●	
1/2" x .062	6.04	●	●		
5/8" x .049	7.78	●			
5/8" x .062	6.00	●			
3/4" x .035	5.35	●			
3/4" x .049	7.32	●		●	
3/4" x .062	9.51	●	●	●	●
7/8" x .049	8.64		●	●	
7/8" x .062	11.24	●		●	
1" x .035	7.22	●			
1" x .049	9.96	●	●	●	
1" x .062	13.00	●	●	●	●
1" x .083	16.26	●			
1" x .120	22.55	●	●		●
1 1/8" x .062	14.80	●			
1 1/4" x .049	12.56	●			
1 1/4" x .062	16.44	●	●	●	
1 1/4" x .083	20.69	●			
1 1/4" x .120	28.96	●	●		
1 1/2" x .049	15.18	●	●		
1 1/2" x .062	19.92	●	●	●	●
1 1/2" x .120	35.37	●	●		●
1 5/8" x .062	21.66	●	●		
1 3/4" x .062	23.39	●			
1 3/4" x .120	41.78	●			
2" x .062	26.86	●	●	●	●
2" x .083	33.99	●			
2" x .120	48.18	●	●		●
2 1/2" x .062	33.80	●	●		
2 1/2" x .120	61.00	●	●		
3" x .062	40.75	●	●		
3" x .083	51.80	●			
3" x .120	73.82	●	●		
3 1/2" x .062	47.69	●			
4" x .062	54.64	●			
4" x .120	100.38	●			

S Q U A R E					
SIZE O.D. WALL	WT. PER 20' LEN	304			316/316L
		MILL FINISH	POLISHED 180 GRIT		MILL FINISH
1/2" x .049	6.00	●			
1/2" x .062	6.78	●			
5/8" x .062	9.90	●			
3/4" x .062	12.12	●	●		
3/4" x .120	22.56	●			
1" x .049	12.68	●	●		
1" x .062	16.52	●	●	●	
1" x .083	20.70	●			
1" x .120	28.72	●	●		●
1 1/4" x .062	20.94	●	●		●
1 1/4" x .083	26.34	●			
1 1/4" x .120	36.88	●			●
1 1/2" x .049	19.34	●	●		
1 1/2" x .062	25.98	●	●		●
1 1/2" x .083	32.00	●	●		
1 1/2" x .120	41.24	●	●		●
1 1/2" x .180	66.42	●			
1 3/4" x .062	32.00	●			
1 3/4" x .120	54.60	●			
2" x .062	34.20	●	●		●
2" x .083	43.28	●	●		
2" x .120	61.36	●	●		●
2" x .180	89.12	●			●
2" x .250	120.14	●			●
2 1/2" x .120	77.68	●			
2 1/2" x .180	113.58	●			
2 1/2" x .250	146.86	●			
3" x .120	94.00	●			●
3" x .180	138.06	●			●
3" x .250	179.06	●			●
3 1/2" x .180	161.00	●			
4" x .120	125.20	●			●
4" x .180	186.40	●			●
4" x .250	253.66	●			●
5" x .250	327.40	●			
6" x .180	287.00	●			
6" x .250	363.98	●			

R E C T A N G U L A R															
O.D.	SIZE WALL	WT. PER 20' LEN	304		316/316L		O.D.	SIZE WALL	WT. PER 20' LEN	304		O.D.	WT. PER 20' LEN	304 MILL FINISH	
			MILL FINISH	MILL FINISH	MILL FINISH	MILL FINISH									
1/2" x 1"	1" x .062	12.11	●				1" x 4"	4" x .120	77.60	●		2" x 6"	6" x .180	184.00	●
1/2" x 1 1/2"	1 1/2" x .062	16.53	●				1 1/2" x 2"	2" x .062	29.80	●		2" x 6"	6" x .250	253.66	●
3/4" x 1 1/2"	1 1/2" x .062	18.74	●				1 1/2" x 2"	2" x .120	53.20	●		3" x 4"	4" x .120	110.32	●
3/4" x 1 1/2"	1 1/2" x .120	32.80	●				1 1/2" x 3"	3" x .062	38.63	●		3" x 4"	4" x .180	162.54	●
3/4" x 2"	2" x .062	41.80	●				1 1/2" x 3"	3" x .120	69.52	●		3" x 4"	4" x .250	226.95	●
1" x 1 1/2"	1 1/2" x .062	20.94	●				2" x 3"	3" x .120	77.68	●	●	3" x 5"	5" x .120	125.80	●
1" x 1 1/2"	1 1/2" x .120	36.88	●				2" x 3"	3" x .180	113.58	●		3" x 5"	5" x .180	180.40	●
1" x 2"	2" x .062	25.36	●	A	●		2" x 3"	3" x .250	146.85	●		3" x 5"	5" x .250	253.66	●
1" x 2"	2" x .083	31.98	●				2" x 4"	4" x .120	94.00	●	●	3" x 6"	6" x .180	211.60	●
1" x 2"	2" x .120	45.04	●		●		2" x 4"	4" x .180	138.06	●		3" x 6"	6" x .250	274.60	●
1" x 2 1/2"	2 1/2" x .062	29.80	●				2" x 4"	4" x .250	178.70	●	●	4" x 6"	6" x .180	248.00	●
1" x 3"	3" x .062	34.20	●				2" x 5"	5" x .120	118.56	●		4" x 6"	6" x .250	301.40	●
1" x 3"	3" x .083	42.80	●				2" x 5"	5" x .180	174.78	●		4" x 8"	8" x .250	392.00	●
1" x 3"	3" x .120	61.36	●		●		2" x 6"	6" x .120	126.26	●					

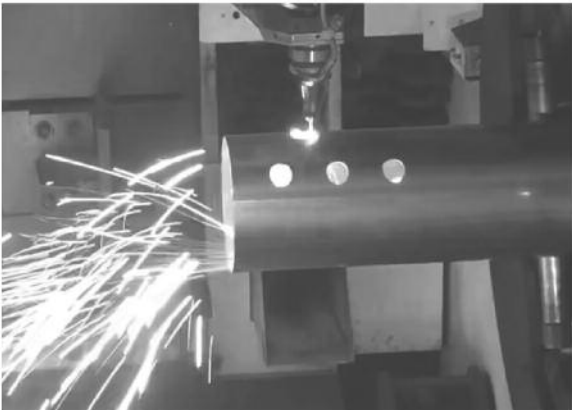
G A U G E T O D E C I M A L						
20 GA = .035	18 GA = .049	16 GA = .062	14 GA = .083	12 GA = .109	11 GA = .120	7 GA = .180

Totten Tubes, inc. LASER PROCESSING



LET OUR MACHINES ADD CAPACITY TO YOUR SHOP!

Totten Tubes is excited to offer in-house laser processing of mechanical and structural tubing and pipe with our BIM LT8.20, Mazak 3D Fabri Gear 400 II and Mazak 3D Fabri Gear 220 Tube Lasers! Combined with our well-known deep inventory of round, square and rectangular sizes and our extensive logistical reach, Totten Tubes is uniquely poised to be the premier source for turnkey laser processing in the West.



CAPACITY

- 40' infeed
- 40' outfeed
- 1/2" OD - 16" OD capacity for rounds
- 1/2" - 10" square tube
- 1/2"x1" to 8"x12" rectangular tube
- Any material up to 3/4" wall (.750) or 50 lbs./foot maximum

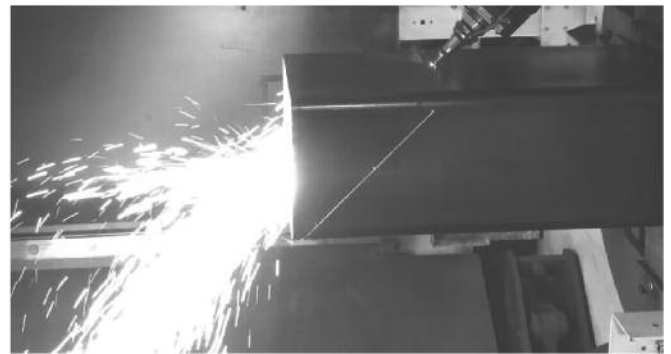
REQUEST A QUOTE

- 3D part files for each part
.sldprt, .step, .x_t, .iges, .ifc
- PDF drawings for each part
- Clear BOM if multiple parts
Part numbers
Quantities





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