



PIPE AND TUBE

Maruichi Leavitt Pipe And Tube

ASTM A500 STRUCTURAL TUBING

1717 West 115th Street Chicago, IL 60643 · Phone 773.239.7700 · maruichi-leavitt.com · Inquires: tubeman@leavitt-tube.com

YOUR COMPLETE SOURCE FOR ELECTRIC WELDED STEEL TUBULAR PRODUCTS

THEORETICAL WEIGHT PER FOOT FACTORS

Outside Dimension				Nominal Wall Thickness																	
Square	Rectangle			0.065	0.072	0.083	0.095	0.109	0.125	0.134	0.148	0.165	0.188	0.203	0.220	0.250	0.313	0.375	0.500		
				16 Ga	15 Ga	14 Ga	13 Ga	12 Ga	1/8	10 Ga	9 Ga	8 Ga	3/16	6 Ga	5 Ga	1/4	5/16	3/8	1/2		
1 x 1				Mechanical					1.35												
1-1/2 x 1-1/2									2.20	2.33	2.53	2.76	3.04								
2 x 2	3 x 1	2-1/2 x 1-1/2				2.16	2.46	2.80	3.05	3.25	3.54	3.88	4.32	4.60	4.91	5.41					
2-1/8 x 2-1/8				1.79	1.97	2.25	2.55	2.89	3.27	3.47	3.79	4.16	4.64	4.95	5.28	5.83					
2.17 x 2.17				1.83	2.01	2.30	2.60	2.95	3.34	3.56	3.88	4.26	4.75	5.07	5.42	5.99					
2-1/4 x 2-1/4	3 x 1-1/2			1.90	2.09	2.39	2.71	3.07	3.48	3.70	4.04	4.44	4.96	5.29	5.65	6.26					
2-1/2 x 2-1/2	3-1/2 x 1-1/2	3 x 2		2.12	2.33	2.67	3.03	3.44	3.90	4.16	4.55	5.01	5.59	5.99	6.40	7.11					
3 x 3	4 x 2	3-1/2 x 2-1/2				3.24	3.68	4.19	4.75	5.07	5.55	6.13	6.87	7.37	7.90	8.81	10.58				
3-1/2 x 3-1/2	5 x 2	4 x 3				3.80	4.32	4.93	5.61	5.98	6.56	7.25	8.15	8.75	9.40	10.51	12.70				
4 x 4	6 x 2	5 x 3				4.36	4.97	5.67	6.46	6.89	7.57	8.37	9.42	10.13	10.89	12.21	14.83	17.27	21.63		
	6 x 3	5 x 4							7.31	7.81	8.57	9.50	10.70	11.51	12.39	13.91	16.96	19.82	25.03		
5 x 5	8 x 2	6 x 4							8.16	8.72	9.58	10.62	11.97	12.89	13.89	15.62	19.08	22.37	28.43		
	8 x 3	7 x 4							9.01	9.63	10.59	11.74	13.25	14.27	15.39	17.32	21.21	24.93	31.84		
6 x 6	10 x 2	8 x 4	7 x 5						9.86	10.54	11.60	12.87	14.53	15.66	16.88	19.02	23.34	27.48	35.24		
7 x 7	12 x 2	10 x 4	8 x 6										17.08	18.42	19.88	22.42	27.59	32.58	42.05		
8 x 8	12 x 4	10 x 6											19.63	21.18	22.87	25.82	31.84	37.69	48.85		
	12 x 6	10 x 8											22.18	23.95	25.87	29.23	36.10	42.79	55.66		
10 x 10	12 x 8												24.73	26.71	28.86	32.63	40.35	47.90	62.46		

Items roll every 4-6 weeks except where noted. Other sizes are within our production capabilities. Please note, not all size/gauge combinations run regularly.

TENSILE REQUIREMENTS		
ASTM A-500	Grade B	Grade C
Yield Strength, min. psi.	46,000	50,000
Tensile Strength, min. psi.	58,000	62,000
Elongation in 2 in. min. %	23%*	21%**
*For 0.180" Wall and over **For 0.120" Wall and Over		

Straightness Tolerance	0.025" Per Foot Max.
Corner Radius Max.	3 x nominal wall thickness
Squareness of Sides	90 Degrees +2 Degrees

OUTSIDE DIMENSION TOLERANCE***	
Largest Outside	Tolerance, Inches
2-1/2" and Under	±0.020
Over 2-1/2" to 3-1/2" Incl.	±0.025
Over 3-1/2" to 5-1/2" Incl.	±0.030
Over 5-1/2"	±1%
***Measured at Least 2" From the end of the tube	

Wall Thickness Tolerance
± 10% of spec. Nominal Wall Thickness

TWIST TOLERANCE	
Specified Dimension of longest side, Inches	Maximum Twist in 3 Feet
1-1/2 and Under	0.050"
Over 1-1/2 to 2-1/2 Incl.	0.062"
Over 2-1/2 to 4 Incl.	0.075"
Over 4 to 6 Incl.	0.087"
Over 6 to 8 Incl.	0.100"
Over 8	0.112"

Note: Reference: ASTM A-500 Latest.

Maruichi Leavitt structural tubing is produced in accordance with the mechanical and chemical property requirements of ASTM A500, Grades B & C.

Rolls every 8-10 weeks

Rolls every 12-14 weeks

Subject to min orders; please inquire.

All roll cycles are subject to change