



PIPE AND TUBE

ASTM A500 HI-Y 50 STRUCTURAL PIPE SIZE TUBING

Outside Diameter Decimal	NPS PIPE SIZE	THEORETICAL WEIGHT PER FOOT FACTORS																												
		Nominal Wall Thickness																				SCH 10 Pipe			SCH 40 Pipe			SCH 80 Pipe		
		.083	.109	.113	.120	.125	.133	.140	.145	.154	.188	.203	.216	.218	.226	.237	.250	.258	.276	.280	.300	.313	.318	.322	.337	.365	.375	.406	.432	.500
14Ga	12Ga		11Ga	1/8					3/16						1/4						5/16					3/8		1/2		
0.840	1/2	0.67	0.85																											
1.050	3/4	0.86	1.10	1.13	1.19	1.24																								
1.315	1	1.09	1.41	1.45	1.53	1.59	1.68																							
1.660	1 1/4	1.40	1.81	1.87	1.98	2.05	2.17	2.27	2.35	2.48																				
1.900	1 1/2	1.61	2.09	2.16	2.28	2.37	2.51	2.63	2.72	2.87	3.44																			
2.375	2	2.03	2.64	2.73	2.89	3.01	3.19	3.34	3.46	3.66	4.40	4.71	4.99	5.03																
2.500		2.14	2.79	2.88	3.05	3.17	3.37	3.53	3.65	3.86	4.65	4.98	5.27	5.32	5.49	5.73	6.01													
2.875	2 1/2	2.48	3.22	3.34	3.53	3.67	3.90	4.09	4.23	4.48	5.40	5.80	6.14	6.19	6.40	6.68	7.02	7.22	7.67											
3.000		2.59	3.37	3.49	3.69	3.84	4.08	4.28	4.43	4.69	5.65	6.07	6.43	6.48	6.70	7.00	7.35	7.56	8.04											
3.500	3	3.03	3.95	4.09	4.34	4.51	4.79	5.03	5.20	5.51	6.66	7.15	7.58	7.65	7.91	8.27	8.69	8.94	9.51	9.64	10.26	10.66								
4.000	3 1/2	3.48	4.53	4.70	4.98	5.18	5.50	5.78	5.98	6.33	7.66	8.24	8.74	8.81	9.12	9.53	10.02	10.32	10.99	11.13	11.87	12.34	12.52							
4.500	4	3.92	5.12	5.30	5.62	5.85	6.21	6.53	6.75	7.15	8.67	9.32	9.89	9.98	10.33	10.80	11.36	11.70	12.46	12.63	13.47	14.01	14.22	14.38	15.00	16.13	16.54			
5.000		4.36	5.70	5.90	6.26	6.51	6.92	7.27	7.53	7.98	9.67	10.41	11.05	11.14	11.53	12.07	12.69	13.08	13.94	14.13	15.07	15.68	15.92	16.10	16.80	18.09	18.54	19.94	21.10	24.05
5.563	5					7.27	7.72	8.12	8.40	8.90	10.80	11.63	12.35	12.46	12.89	13.49	14.20	14.63	15.60	15.81	16.88	17.57	17.83	18.04	18.83	20.28	20.80	22.38	23.70	27.06
6.625	6					8.69	9.23	9.71	10.04	10.65	12.94	13.94	14.80	14.93	15.46	16.18	17.04	17.56	18.73	18.99	20.28	21.12	21.44	21.70	22.65	24.43	25.05	26.99	28.60	32.74
8.625	8										16.96	18.28	19.42	19.59	20.29	21.25	22.38	23.08	24.63	24.98	26.70	27.81	28.24	28.58	29.86	32.23	33.07	35.67	37.84	43.43
9.625																														
10.75	10																25.05	25.83	27.58	27.97	29.91	31.16	31.64	32.02	33.46	36.13	37.08	40.01	42.45	48.77
12.75	12																33.41	34.45	36.80	37.33	39.93	41.61	42.26	42.78	44.72	48.32	49.61	53.57	56.89	65.48

SCH 40 & 80 Pipe Size Tube Rolls Every 4-8 Weeks. Other sizes are within our production capabilities but require mill mins. We invite your inquiry (tubeman@leavitt-tube.com).

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

Straightness Tolerance	0.025" Per Foot Max.
Wall Thickness Tolerance	± 10% of spec. Nominal Wall Thickness
Outside Dimension Tolerances***	1.900" and smaller ± 0.50% of spec. O.D.
	2.000" and larger ± 0.75% of spec. O.D.
***Measured at Least 2" From the end of the tube	
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.