



PIPE AND TUBE

# 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																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	
10.75	10														28.06	28.94	30.90	31.34	33.51	34.92	35.46	35.90	37.51	40.52	41.59	44.89	47.65	54.79		
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		

This table is based on commonly used sizes. Other sizes are within Maruichi Leavitt production capabilities. We invite your inquiry.

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

<b>Straightness Tolerance</b>	0.025" Per Foot Max.
<b>Wall Thickness Tolerance</b>	± 10% of spec. Nominal Wall Thickness
<b>Outside Dimension Tolerances***</b>	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.