



The Tube People

Hollow Structural Sections HI-Y 50 Structural Pipe

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THEORETICAL WEIGHT PER FOOT FACTORS

Outside Diameter	NPS PIPE SIZE	THEORETICAL WEIGHT PER FOOT FACTORS																				OD Decimal					
		0.083 14 Ga	0.095 13 Ga	0.109 12 Ga	0.113	0.125	0.133	0.140	0.145	0.148 9 Ga	0.154	0.165 8 Ga	0.188	0.203 6 Ga	0.216	0.226	0.237	0.250	0.277	0.280	0.313		0.322	0.375	0.406	0.432	0.500
0.840	1/2	0.67	0.76	0.85																							0.840
1.050	3/4	0.86	0.97	1.10	1.13																						1.050
1.315	1	1.09	1.24	1.41	1.45	1.59	1.68																				1.315
1.660	1 1/4	1.40	1.59	1.81	1.87	2.05	2.17	2.27	2.35	2.39																	1.660
1.900	1 1/2	1.61	1.83	2.09	2.16	2.37	2.51	2.63	2.72	2.77	2.87																1.900
2.375	2 3/8	2	2.03	2.32	2.64	2.73	3.01	3.19	3.34	3.46	3.52	3.66															2.375
2.875	2 7/8	2 1/2	2.48	2.82	3.22	3.34	3.67	3.90	4.09	4.23	4.31	4.48	4.78	5.40	5.80	6.14	6.40	6.68	7.02								2.875
3.000	3		2.59	2.95	3.37	3.49	3.84	4.08	4.28	4.43	4.51	4.69	5.00	5.65	6.07	6.43	6.70	7.00	7.35								3.000
3.500	3 1/2	3	3.03	3.46	3.95	4.09	4.51	4.79	5.03	5.20	5.30	5.51	5.88	6.66	7.15	7.58	7.91	8.27	8.69								3.500
4.000	4	3 1/2	3.48	3.97	4.53	4.70	5.18	5.50	5.78	5.98	6.09	6.33	6.76	7.66	8.24	8.74	9.12	9.53	10.02								4.000
4.500	4 1/2	4	3.92	4.47	5.12	5.30	5.85	6.21	6.53	6.75	6.89	7.15	7.65	8.67	9.32	9.89	10.33	10.80	11.36								4.500
5.000	5		4.36	4.98	5.70	5.90	6.51	6.92	7.27	7.53	7.68	7.98	8.53	9.67	10.41	11.05	11.53	12.07	12.69								5.000
5.500	5 1/2												10.68	11.49	12.20	12.74	13.33	14.03	15.47	15.62	17.36	17.82	20.54	12.11	23.40	26.73	5.500
6.625	6 5/8	6											12.94	13.94	14.80	15.46	16.18	17.04	18.80	18.99	21.12	21.70	25.05	26.99	28.60	32.74	6.625
8.625	8 5/8	8											16.96	18.28	19.42	20.29	21.25	22.38	24.72	24.98	27.81	28.58	33.07	35.67	37.84	43.43	8.625
9.625	9 5/8	9											18.97	20.45	21.73	22.71	23.78	25.05	27.68	27.97	31.16	32.02	37.08	40.01	42.45	48.77	9.625

TENSILE REQUIREMENTS

	ASTMA-500 Grades	
	B	C
Tensile Strength, min. psi.	58,000	62,000
Yield Strength, min. psi.	42,000	46,000
Elongation in 2 in. min. %	23*	21**

*For 0.180" Wall and Over **For 0.120" Wall and Over

LENGTH TOLERANCES

Mill Punch Cut	Mill Saw Cut	Recut
Over 3 to 12' ±3/32"	22' and under +1/2"; -1/4"	1' to 15' ±1/16"
Over 12 to 20' ±1/8"	Over 22' to 44' +3/4"; -1/4"	Over 15' ±1/8"
Over 20 to 30' ±3/16"		
Over 30 to 40' ±5/16"		

STRAIGHTNESS TOLERANCE

0.025" Per Foot max.	Hi-Y 50 PIPE Average Min. Yield Exceeds 50,000 psi.
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OUTSIDE DIMENSION TOLERANCES

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O.D. 1.900" ±0.5% of nominal O.D.	±10% of the Specified Nominal Wall Thickness
O.D. >1.900" ±0.75% of nominal O.D.	

OCTG CASING

OUTSIDE DIAMETER		NOMINAL WALL THICKNESS															
Decimal	Fraction	0.188	0.205	0.224	0.244	0.250	0.254	0.264	0.272	0.275	0.288	0.304	0.317	0.352	0.362	0.395	0.400
3.500	3 1/2	6.66					8.81										
4.500	4 1/2	8.67	9.41	10.24	11.10	11.36											
5.500	5 1/2	10.68				13.71					15.36		16.89				
6.625	6 5/8	12.94										19.51		23.60			
7.000	7	13.69								19.56			22.65		25.69		
8.625	8 5/8	16.96						23.60				27.04		31.13			35.17
9.625	9 5/8	18.97												34.89		38.97	

This table is based on commonly used sizes. Other sizes are within Leavitt Tube Company's production capabilities. We invite your inquiry.

NOTE: Specifications and tolerances upon request.