



A53 STANDARD ERW PIPE

THEORETICAL WEIGHT PER FOOT FACTORS

Outside Diameter Decimal	NPS PIPE SIZE	Nominal Wall Thickness																							
		SCH 20		SCH 30		SCH 40														SCH 60		SCH 80		SCH 120	
		.156	.188	.203	.219	.237	.250	.258	.277	.279	.280	.281	.307	.312	.322	.330	.337	.344	.365	.375	.406	.432	.438	.500	
4.500	4	7.24	8.67	9.32	10.02	10.80	11.36	11.70	12.50	12.59	12.63	12.67	13.76	13.97	14.38	14.71	15.00								
5.563	5	9.02	10.80	11.63	12.51	13.49	14.20	14.63	15.65	15.76	15.81	15.87	17.25	17.51	18.04	18.46	18.83	19.19	20.28	20.80	22.38	23.70	24.00	27.06	
6.625	6		12.94	13.94	15.00	16.18	17.04	17.56	18.80	18.93	18.99	19.06	20.73	21.06	21.70	22.21	22.65	23.10	24.43	25.05	26.99	28.60	28.97	32.74	
8.625	8		16.96	18.28	19.68	21.25	22.38	23.08	24.72	24.89	24.98	25.06	27.30	27.73	28.58	29.26	29.86	30.45	32.23	33.07	35.67	37.84	38.33	43.43	
10.750	10			22.89	24.65	26.64	28.06	28.94	31.01	31.23	31.34	31.45	34.27	34.81	35.90	36.76	37.51	38.27	40.52	41.59	44.89	47.65	48.28	54.79	
12.750	12			27.23	29.34	31.70	33.41	34.45	36.93	37.19	37.33	37.46	40.84	41.48	42.78	43.81	44.72	45.62	48.32	49.61	53.57	56.89	57.65	65.48	

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

TEST PRESSURE

Outside Diameter Decimal	NPS PIPE SIZE	Grade B Minimum psi																							
																						STD		XS	
		.156	.188	.203	.219	.237	.250	.258	.277	.279	.280	.281	.307	.312	.322	.330	.337	.344	.365	.375	.406	.432	.438	.500	
4.000	4	1460	1750	1890	2040	2210	2330	2410	2590	2600	2610	2620	2800	2800	2800	2800	2800								
5.563	5	1180	1420	1530	1650	1790	1890	1950	2090	2110	2110	2120	2320	2360	2430	2490	2540	2600	2760	2800	2800	2800	2800	2800	
6.625	6		1190	1290	1390	1500	1580	1640	1760	1770	1780	1780	1950	1980	2040	2090	2140	2180	2310	2380	2570	2740	2780	2800	
8.625	8		920	990	1070	1150	1220	1260	1350	1360	1360	1370	1490	1520	1570	1610	1640	1680	1780	1830	1980	2100	2130	2430	
10.750	10			790	860	930	980	1010	1080	1090	1090	1100	1200	1220	1260	1290	1320	1340	1430	1470	1590	1690	1710	1950	
12.750	12			670	720	780	820	850	910	920	920	930	1010	1030	1060	1090	1110	1130	1200	1240	1340	1420	1440	1650	

TENSILE REQUIREMENTS

ASTM A53	Grade B
Yield Strength, min. psi.	35,000
Tensile Strength, min. psi.	60,000
Elongation in 2 in. min. %	Refer to ASTM A53 Table x 4.1

END FINISH

Plain End: Ends beveled to angel of 30°, +5°, -0°

Flattening Test

Position the weld at 0° and alternately at 90° to the direction of force and flatten until the OD is 2/3 of the original O.D. No cracks shall occur along the inside or outside surface of the weld .

Weight Tolerance

± 10% from its Specified Weight

Wall Thickness Tolerance

Shall not be more than 12.5% under nominal wall thickness

Outside Dimension Tolerances*

4.500" and larger ± 1.0% of spec. O.D.

*Measured at least 2" from the end of the pipe

Note: Reference: ASTM A53 Latest.

Maruichi Leavitt pipe is produced in accordance with the mechanical and chemical property requirements of ASTM A53, Grade B