

ERW LINE PIPES CONFORMING TO API 5L, IS/ ISO:3183 & ASTM A 53

Dimensions. Weights and Test Pressures for Sizes 8" through 24" (SI Units)

Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end Weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (kPa x 100)									
					Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60	Grade X-65	Grade X-70
	D (mm)	t (mm)	Wps (Kg/m)	d (mm)										
3 1/2"	88.9	3.2	6.76	82.5	69	91	106	125	138	156	168	179	194	205
	88.9	3.6	7.57	81.7	69	102	119	141	156	175	190	201	205	205
	88.9	4.0	8.37	80.9	69	113	132	157	173	194	205	205	205	205
	88.9	4.4	9.17	80.1	69	125	146	172	190	205	205	205	205	205
	88.9	4.8	9.95	79.3	69	136	159	188	205	205	205	205	205	205
4"	88.9	5.5	11.31	77.9	69	156	170	205	205	205	205	205	205	205
	101.6	3.2	7.76	95.2	-	79	93	110	121	136	147	157	170	183
	101.6	3.6	8.70	94.4	55	89	104	123	136	153	166	177	191	205
	101.6	4.0	9.63	93.6	-	99	116	137	151	170	184	196	205	205
	101.6	4.4	10.55	92.8	69	109	127	151	166	187	202	205	205	205
	101.6	4.8	11.46	92	83	119	139	164	181	204	205	205	205	205
	101.6	5.7	13.48	90.2	83	141	165	195	205	205	205	205	205	205
4 1/2"	101.6	6.4	15.02	88.8	-	159	185	205	205	205	205	205	205	205
	114.3	3.2	8.77	107.9	55	71	82	97	108	121	131	139	151	163
	114.3	3.6	9.83	107.1	-	79	93	110	121	136	147	157	170	183
	114.3	4.0	10.88	106.3	69	88	103	122	134	151	164	174	189	204
	114.3	4.4	11.92	105.5	-	97	113	134	148	166	180	192	205	205
	114.3	4.8	12.96	104.7	83	106	124	146	161	181	197	205	205	205
	114.3	5.2	13.99	103.9	-	115	134	158	175	197	205	205	205	205
	114.3	5.6	15.01	103.1	83	123	144	170	188	205	205	205	205	205
	114.3	6.0	16.02	102.3	83	132	154	183	202	205	205	205	205	205
5 9/16"	114.3	6.4	17.03	101.5	-	141	165	195	205	205	205	205	205	205
	141.3	3.2	10.90	134.9	46	57	67	79	87	98	106	113	122	132
	141.3	4.0	13.54	133.3	58	71	83	99	109	122	132	141	153	165
	141.3	4.8	16.16	131.7	70	86	100	118	130	147	159	169	183	196
	141.3	5.6	18.74	130.1	18	100	117	138	152	171	186	197	205	205
6 5/8"	141.3	6.6	21.92	128.1	83	118	137	163	179	202	205	205	205	205
	168.3	3.2	13.03	161.9	-	48	56	83	91	103	111	118	128	138
	168.3	3.6	14.62	161.1	-	54	63	93	103	116	125	133	144	156
	168.3	4.0	16.21	160.3	-	60	70	103	114	128	139	148	160	173
	168.3	4.4	17.78	159.5	-	66	77	114	125	141	153	163	176	190
	168.3	4.8	19.35	158.7	-	72	84	124	137	154	167	178	193	205
	168.3	5.2	20.91	157.9	-	78	91	134	148	167	181	192	205	205
	168.3	5.6	22.47	157.1	-	84	98	145	160	180	195	205	205	205
	168.3	6.4	25.55	155.5	-	96	112	165	183	205	205	205	205	205
8 5/8"	168.3	7.1	28.22	154.1	-	106	124	184	202	205	205	205	205	205
	219.1	4.0	21.22	211.1	-	46	54	79	88	99	107	114	123	133
	219.1	4.8	25.37	209.5	-	55	64	95	105	118	128	136	148	159
	219.1	5.2	27.43	208.7	-	60	70	103	114	128	139	148	160	173

ERW LINE PIPES CONFORMING TO API 5L, IS/ ISO:3183 & ASTM A 53 16", 18", 20", 24"

Dimensions. Weights and Test Pressures for Sizes 8" through 24" (SI Units)

Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end Weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (kPa x 100)									
					Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60	Grade X-65	Grade X-70
	D (mm)	t (mm)	Wps (Kg/m)	d (mm)										
8 5/8"	219.1	5.6	29.48	207.9	-	64	75	111	123	138	150	159	173	186
	219.1	6.4	33.57	206.3	-	74	86	127	140	158	171	182	197	205
	219.1	7.0	36.61	205.1	-	81	94	139	153	173	187	199	205	205
	219.1	7.9	41.14	203.3	-	91	106	157	173	195	205	205	205	205
	219.1	8.2	42.65	202.7	-	94	110	163	180	202	205	205	205	205
	219.1	8.7	45.14	201.7	-	100	117	173	191	205	205	205	205	205
	219.1	9.5	49.10	200.1	-	109	127	189	205	205	205	205	205	205
10 3/4"	273.1	4.0	26.54	265.1	-	37	43	72	80	90	97	103	112	121
	273.1	4.8	31.76	263.5	-	44	52	87	96	108	117	124	134	145
	273.1	5.2	34.35	262.7	-	48	56	94	104	117	126	134	146	157
	273.1	5.6	36.94	261.9	-	52	60	101	112	125	136	145	157	169
	273.1	6.4	42.09	260.3	-	59	69	116	127	143	155	165	179	193
	273.1	7.1	46.57	258.9	-	66	76	128	141	159	172	183	199	205
	273.1	7.8	51.03	257.5	-	72	84	141	155	175	189	202	205	205
	273.1	8.7	56.72	255.7	-	80	94	157	173	195	205	205	205	205
	273.1	9.3	60.50	254.5	-	86	100	168	185	205	205	205	205	205
12 3/4"	323.9	4.4	34.67	315.1	-	34	40	67	74	83	90	96	104	112
	323.9	4.8	37.77	314.3	-	37	44	73	81	91	98	105	113	122
	323.9	5.2	40.87	313.5	-	40	47	79	87	98	106	113	123	132
	323.9	5.6	43.96	312.7	-	44	51	85	94	106	115	122	132	143
	323.9	6.4	50.11	311.1	-	50	58	97	107	121	131	139	151	163
	323.9	7.1	55.47	309.7	-	55	64	108	119	134	145	155	168	181
	323.9	7.9	61.56	308.1	-	61	72	120	133	149	162	172	187	201
	323.9	8.4	65.35	307.1	-	65	76	128	141	159	172	183	198	205
	323.9	8.7	67.62	306.5	-	68	79	132	146	164	178	189	205	205
	323.9	9.5	73.65	304.9	-	74	86	145	160	179	194	205	205	205
14"	355.6	4.8	41.52	346.0	-	34	40	67	73	83	89	95	103	111
	355.6	5.2	44.93	345.2	-	37	43	72	80	89	97	103	112	121
	355.6	5.3	45.78	345.0	-	38	44	74	81	91	99	105	114	123
	355.6	5.6	48.33	344.4	-	40	46	78	86	96	104	111	121	130
	355.6	6.4	55.11	342.8	-	45	53	89	98	110	119	127	138	148
	355.6	7.1	61.02	341.4	-	50	59	98	109	122	132	141	153	165
	355.6	7.9	67.74	339.8	-	56	65	110	121	136	147	156	170	183
	355.6	8.7	74.42	338.2	-	62	72	121	133	150	162	173	187	202
	355.6	9.5	81.08	336.6	-	67	79	132	145	163	177	188	204	205
16"	406.4	5.00	49.49	396.4	37	44	51	61	67	75	82	87	94	101
	406.4	5.20	51.45	396	38	46	53	63	70	78	85	90	98	105
	406.4	6.00	59.24	394.4	44	53	61	73	80	90	98	104	113	122
	406.4	6.35	62.64	393.7	46	56	65	77	85	96	104	110	120	129

ERW LINE PIPES CONFORMING TO API 5L, IS/ ISO:3183 & ASTM A 53 16", 18", 20", 24"

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Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end Weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (kPa x 100)									
					Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60	Grade X-65	Grade X-70
	D (mm)	t (mm)	Wps (Kg/m)	d (mm)										
16"	406.4	7.10	69.91	392.2	52	62	73	86	95	107	116	123	134	144
	406.4	8.00	78.60	390.4	59	70	82	97	107	120	131	139	151	162
	406.4	9.50	92.98	387.4	70	83	97	115	127	143	155	165	179	193
	406.4	10.00	97.75	386.4	73	88	102	121	134	151	163	174	188	203
	406.4	12.00	116.71	382.4	88	105	123	146	161	181	196	208	226	243
	406.4	12.50	121.42	381.4	92	110	128	152	167	188	204	217	235	254
	406.4	12.70	123.30	381	93	112	130	154	170	191	207	220	239	258
18"	457	5.00	55.73	447	33	39	46	54	60	67	73	77	84	90
	457	5.20	57.94	446.6	34	41	47	56	62	70	75	80	87	94
	457	6.00	66.73	445	39	47	55	65	71	80	87	93	100	108
	457	6.35	70.57	444.3	41	50	58	69	76	85	92	98	106	115
	457	7.10	78.77	442.8	46	55	65	77	85	95	103	110	119	128
	457	8.00	88.58	441	52	62	73	86	95	107	116	124	134	144
	457	9.50	104.84	438	62	74	87	102	113	127	138	147	159	171
	457	10.00	110.23	437	65	78	91	108	119	134	145	154	167	180
	457	12.00	131.68	433	78	94	109	129	143	161	174	185	201	216
	457	12.50	137.02	432	81	98	114	135	149	167	181	193	209	226
	457	12.70	139.15	431.6	83	99	116	137	151	170	184	196	213	229
20"	508	5.00	62.02	498	29	35	41	49	54	60	65	69	75	81
	508	5.20	64.48	497.6	30	37	43	50	56	63	68	72	78	84
	508	6.00	74.28	496	35	42	49	58	64	72	78	83	90	97
	508	6.35	78.55	495.3	37	45	52	62	68	77	83	88	96	103
	508	7.10	87.70	493.8	42	50	58	69	76	86	93	99	107	115
	508	8.00	98.64	492	47	56	66	78	86	96	104	111	120	130
	508	9.50	116.78	489	56	67	78	92	102	114	124	132	143	154
	508	10.00	122.81	488	59	70	82	97	107	120	131	139	151	162
	508	12.00	146.78	484	70	84	98	116	129	145	157	167	181	195
	508	12.50	152.74	483	73	88	102	121	134	151	163	174	188	203
	508	12.70	155.12	482.6	74	89	104	123	136	153	166	176	191	206
24"	610	6.35	94.53	597.3	31	37	43	51	57	64	69	73	80	86
	610	7.10	105.56	595.8	35	42	48	57	63	71	77	82	89	96
	610	8.00	118.76	594	39	47	55	65	71	80	87	93	100	108
	610	9.50	140.68	591	46	56	65	77	85	95	103	110	119	128
	610	10.00	147.96	590	49	59	68	81	89	100	109	116	125	135
	610	12.00	176.96	586	59	70	82	97	107	120	130	139	150	162
	610	12.50	184.18	585	61	73	85	101	111	125	136	145	157	169
610	12.70	187.06	584.6	62	74	87	103	113	127	138	147	159	172	

ERW PIPES FOR WATER & SEWAGE CONFORMING TO IS:3589 & WATER WELL CASING CONFORMING TO IS:4270

SIZE		CONVENTIONAL MASS PER UNIT LENGTH (Kg/m)																				
NB	OD	WALL THICKNESS (mm)																				
mm	mm	3.20	3.60	4.00	4.30	4.65	4.85	5.00	5.20	5.40	5.60	6.00	6.35	6.40	7.00	7.10	8.00	9.50	10.00	12.00	12.50	12.70
100	114.30	-	-	-	-	-	-	13.48	-	14.50	-	16.02	-	-	-	-	-	-	-	-	-	-
125	141.30	-	-	-	-	-	-	16.81	-	18.10	-	20.02	-	-	-	-	-	-	-	-	-	-
150	168.30	13.03	14.62	16.21	17.39	18.77	19.55	20.13	20.91	21.69	-	24.01	25.36	25.55	27.84	28.22	-	-	-	-	-	-
175	193.70	-	16.88	18.71	20.08	21.68	22.59	23.27	24.17	25.07	-	27.77	39.34	29.56	32.23	32.67	36.63	-	-	-	-	-
200	219.10	-	19.13	21.22	22.78	24.59	25.62	26.40	27.43	28.46	29.48	31.53	33.31	33.57	36.61	37.12	41.65	49.10	51.56	-	-	-
250	273.10	-	23.93	26.54	28.50	30.78	32.08	33.06	34.35	35.65	36.94	39.52	41.77	42.09	45.93	46.57	52.30	61.75	64.88	-	-	-
300	323.90	-	-	31.55	33.89	36.61	38.16	39.32	40.87	42.41	43.96	47.04	49.73	50.11	54.70	55.47	62.32	73.65	77.41	-	-	-
350	355.60	-	-	34.68	37.25	40.24	41.95	43.23	44.93	46.63	48.33	51.73	54.69	55.11	60.18	61.02	68.57	81.08	85.22	-	-	-
400	406.4	-	-	-	-	-	-	49.49	51.45	-	-	59.24	62.64	-	-	69.91	78.60	92.98	97.75	116.71	121.42	123.30
450	457	-	-	-	-	-	-	55.73	57.94	-	-	66.73	70.57	-	-	78.77	88.58	104.84	110.23	131.68	137.02	139.15
500	508	-	-	-	-	-	-	62.02	64.48	-	-	-	78.55	-	-	87.70	98.64	116.78	122.81	146.78	152.74	155.12
600	610	-	-	-	-	-	-	-	-	-	-	-	94.53	-	-	105.56	118.76	140.68	147.96	176.96	184.18	187.06

- NOTE: (I) IS:4270 covers Pipe size 100 mm to 350 mm NB & IS:3589 covers Pipe size 168.30 mm O.D. to 610 mm OD.
 (II) IS 4270 covers wall thickness upto 10 mm.
 (III) IS 3589 covers wall thickness upto 12.70 mm .
 (IV) Also uptill 24inch chart will be added with all the thickness.
 (V) Other thickness may be supplied as per agreement.
 (VI) Max. Hydro Test Pressure IS:3589-5 MPa, IS:4270-7 MPa.

BLACK & GALVANIZED ERW STEEL TUBES CONFORMING TO IS:1239 (PT-1) Equivalent to BS:1387

SERIES					LIGHT			MEDIUM					HEAVY				
NOMINAL BORE		O.D.	OUTSIDE DIA.		W.T.	WEIGHT		OUTSIDE DIA.		W.T.	WEIGHT		OUTSIDE DIA.		W.T.	WEIGHT	
INCH	mm	mm	MIN. (MM)	MAX. (mm)	mm	P/E Kg/m	S/S Kg/m	MIN. (MM)	MAX. (mm)	mm	P/E Kg/m	S/S Kg/m	MIN. (MM)	MAX. (mm)	mm	P/E Kg/m	S/S Kg/m
1/2	15	21.3	21.0	21.4	2.0	0.947	0.956	21.0	21.8	2.6	1.21	1.22	21.0	21.8	3.2	1.44	1.45
3/4	20	26.9	26.4	26.9	2.3	1.38	1.39	26.5	27.3	2.6	1.56	1.57	26.5	27.3	3.2	1.87	1.88
1	25	33.7	33.2	33.8	2.6	1.98	2.00	33.3	34.2	3.2	2.41	2.43	33.3	34.2	4.0	2.93	2.95
1 1/4	32	42.4	41.9	42.5	2.6	2.54	2.57	42.0	42.9	3.2	3.10	3.13	42.0	42.9	4.0	3.79	3.82
1 1/2	40	48.3	47.8	48.4	2.9	3.23	3.27	47.9	48.8	3.2	3.56	3.60	47.9	48.8	4.0	4.37	4.41
2	50	60.3	59.6	60.2	2.9	4.08	4.15	59.7	60.8	3.6	5.03	5.10	59.7	60.8	4.5	6.19	6.26
2 1/2	65	76.1	75.2	76.0	3.2	5.71	5.83	75.3	76.6	3.6	6.42	6.54	75.3	76.6	4.5	7.93	8.05
3	80	88.9	87.9	88.7	3.2	6.72	6.89	88.0	89.5	4.0	8.36	8.53	88.0	89.5	4.8	9.90	10.10
4	90	101.6	-	-	3.6	8.70	-	-	-	4.0	9.63	-	-	-	4.8	11.5	-
4	100	114.3	113.0	113.9	3.6	9.75	10.00	113.1	115.0	4.5	12.20	12.50	113.1	115.0	5.4	14.50	14.80
5	125	139.7	-	-	4.5	15.00	-	138.5	140.8	4.8	15.90	16.40	138.5	140.8	5.4	17.90	18.40
6	150	165.1	-	-	4.5	17.80	-	163.9	166.5	4.8	18.90	19.50	163.9	166.5	5.4	21.30	21.90

NOTE:

(I) IS:1239&BS:1387 cover sizes upto 100 mm NB all series and 125 & 150 mm NB medium & heavy series, plain end and screwed & socketed ends.

(II) Hydro test Pressure-5 MPa

JINDAL



ERW PIPES FOR WATER & SEWAGE CONFORMING TO  IS:3589

SIZE		CONVENTIONAL MASS PER UNIT LENGTH (Kg/m)												
NB OD		WALL THICKNESS (mm)												
mm	mm	4.00	4.30	4.65	4.85	5.00	5.40	5.60	6.00	6.35	7.00	8.00	9.50	
150	168.30	16.21	17.39	18.77	19.55	20.13	21.69	-	24.01	25.36	27.84	-	-	
175	193.70	18.71	20.08	21.68	22.59	23.27	25.07	-	27.77	29.34	32.23	36.63	-	
200	219.10	21.22	22.78	24.59	25.62	26.40	28.46	29.48	31.53	33.31	36.61	41.65	49.10	
250	273.10	26.54	28.50	30.78	32.08	33.06	35.65	36.94	39.52	41.77	45.93	52.30	61.75	
300	323.90	31.55	33.89	36.61	38.16	39.32	42.41	43.96	47.04	49.73	54.70	62.32	73.65	
350	355.60	34.68	37.25	40.24	41.95	43.23	46.63	48.33	51.73	54.69	60.18	68.57	81.08	
400	406.04						53.40	55.35	59.24		68.94	78.59	92.98	
450	457	-					60.13	62.34	66.73		77.68	88.58	104.84	
500	508	-					66.93	69.38	74.27		86.48	98.64	116.78	