



ERW STEEL TUBES (BLACK & GALVANIZED) CONFORMING TO IS:1239 (Pt-1) / BS:1387 & STRUCTURAL TUBES CONFORMING TO IS:1161

SERIES			LIGHT					MEDIUM					HEAVY				
NOMINAL BORE		O.D.	OUTSIDE DIA.		WALL THICK.	WEIGHT		OUTSIDE DIA.		WALL THICK.	WEIGHT		OUTSIDE DIA.		WALL THICK.	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	42.2	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	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	-	135.5	140.8	4.8	15.90	16.40	135.5	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
6	150	168.3	-	-	4.5	18.20	-	-	-	4.8	19.40	-	-	-	H1-5.4	21.70	-
6	150	168.3	-	-	-	-	-	-	-	-	-	-	-	-	H2-6.3	25.20	-
7	175	193.7	-	-	4.8	22.40	-	-	-	5.4	25.10	-	-	-	5.9	27.30	-
8	200	219.1	-	-	4.8	25.40	-	-	-	5.6	29.50	-	-	-	5.9	31.00	-
10	250	273.0	-	-	-	-	-	-	-	-	-	-	-	-	5.9	38.90	-
12	300	323.9	-	-	-	-	-	-	-	-	-	-	-	-	6.3	49.30	-
14	350	355.6	-	-	-	-	-	-	-	-	-	-	-	-	8.0	68.60	-

NOTE: (I) IS:1239 & BS:1387 cover sizes upto 100 mm NB all series and 125 & 150 mm NB medium & heavy series, plain end & screwed and socketed ends.
(II) IS:1161 covers all sizes Plain End only.
(III) IS:1161 O.D. Tolerance will be as per dimension tolerance table, Above table min/max O.D. applicable for IS:1239 only.
(IV) Hydro test Pressure - 5 MPa (IS:1161 Hydro Test not required.)

ERW PIPES FOR WATER AND 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
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	29.34	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	36.81	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

NOTE: (I) IS:4270 covers Pipe size 100 mm to 350 mm NB & IS:3589 covers Pipe size 168.3 mm OD to 355.6 mm OD.
(II) IS:4270 covers Wall Thickness upto 10 mm.
(III) Other thickness may be supplied as per agreement.
(IV) Max. Hydro Test Pressure IS:3589 - 5 MPa, IS:4270 - 7 MPa.



ERW LINE PIPES CONFORMING TO API 5L, IS:1978, IS:1979 AND ASTM A-53

LICENSE NO SL-0135

OD		WALL THICKNESS		WEIGHT (P/E)		MINIMUM HYDRO TEST PRESSURE (STD) X 100 KPa									
INCH	mm	INCH	mm	Lb/Ft	Kg/m	A	B	X-42	X-46	X-52	X-56	X-60	X-65	X-70	
3-1/2	88.9	0.125	3.20	4.51	6.76	91	106	125	138	156	168	179	194	205	
	88.9	0.141	3.60	5.06	7.57	102	119	141	156	175	190	202	205	205	
	88.9	0.156	4.00	5.58	8.37	113	132	157	173	194	205	205	205	205	
	88.9	0.172	4.40	6.12	9.17	125	146	172	190	205	205	205	205	205	
	88.9	0.188	4.80	6.66	9.95	136	159	188	205	205	205	205	205	205	
	88.9	0.216	5.50	7.58	11.31	156	170	205	205	205	205	205	205	205	

Add:- plot no 125, Govind
Vihar Rd, Lalarpura
Jaipur, Rajasthan 302021

Ph:- +91 95017 17457
Email:- jasengineersystem s@gmail.com