

ERW Pipe
JIS G3452-1988 (SGP)

Nominal size		Outside Diameter		Thickness		Unit Weight (plain end)	
A	B	mm	in	mm	in	lb/ft	kg/m
6	1/8	10.5	0.413	2.0	0.079	0.282	0.419
8	1/4	13.8	0.543	2.3	0.090	0.438	0.652
10	3/8	17.3	0.681	2.3	0.090	0.572	0.851
15	1/2	21.7	0.854	2.8	0.110	0.880	1.31
20	3/4	27.2	1.07	2.8	0.110	1.13	1.68
25	1	34.0	1.34	3.2	0.126	1.63	2.43
32	1 1/4	42.7	1.68	3.5	0.138	2.27	3.38
40	1 1/2	48.6	1.91	3.5	0.138	2.61	3.89
50	2	60.5	2.38	3.8	0.150	3.57	5.31
65	2 1/2	76.3	3.00	4.2	0.165	5.02	7.47
80	3	89.1	3.51	4.2	0.165	5.91	8.79
90	3 1/2	102	4.00	4.2	0.165	6.79	10.1
100	4	114	4.50	4.5	0.177	8.20	12.2
125	5	140	5.50	4.5	0.177	10.1	15.0
150	6	165	6.50	5.0	0.197	13.3	19.8
175	7	191	7.51	5.3	0.209	16.3	24.2
200	8	216	8.52	5.8	0.228	20.2	30.1
225	9	242	9.52	6.2	0.244	24.2	36.0
250	10	267	10.5	6.6	0.260	28.5	42.4
300	12	319	12.5	6.9	0.272	35.6	53.0
350	14	356	14.0	7.9	0.311	45.5	67.7
400	16	406	16.0	7.9	0.311	52.1	77.6
450	18	457	18.0	7.9	0.311	58.7	87.5
500	20	508	20.0	7.9	0.311	65.4	97.4

Tensile Strength : 290N/mm²

ERW Pipe
BS1387-1985 Extra Light (AA)

Designation of thread	Nominal bore	Outside diameter of black pipe				Thickness		Plain end	
		max.	min					lb/ft	kg/m
in.	mm	in.	mm	in.	mm	in.	mm		
1/2	15	0.84	21.4	0.83	21	0.063	1.6	0.52	0.773
3/4	20	1.06	26.9	1.04	26.4	0.063	1.6	0.666	0.99
1	25	1.33	33.8	1.31	33.2	0.075	1.9	0.994	1.48
1 1/4	32	1.67	42.5	1.65	41.9	0.075	1.9	1.27	1.89
1 1/2	40	1.9	48.4	1.88	47.8	0.075	1.9	1.45	2.16
2	50	2.3	60.2	2.35	59.6	0.075	1.9	1.83	2.72
2 1/2	65	2.99	76	2.96	75.2	0.075	1.9	2.31	3.45
3	80	3.49	88.7	3.46	87.9	0.083	2.1	3	4.46
3 1/2	90	3.98	102	3.95	101.1	0.083	2.1	3.46	5.15
4	100	4.48	113.9	4.45	113	0.091	2.3	4.23	6.31
5	125	5.53	140.6	5.46	138.7	0.157	4.0	8.99	13.4
6	150	6.54	166.1	6.46	164.1	0.157	4.0	10.7	15.9



ERW Pipes
BS1387-1985

Steel tubes and tubulars suitable for screwing to BS 21 pipe threads

Tube	Designation of thread	Nominal bore	Outside diameter of black pipe				Thickness	
			max.		min		in.	mm
	in.	mm	in.	mm	in.	mm	in.	mm
Light (A)	1/8	6	0.383	10.1	0.369	9.7	0.072	1.8
	1/4	8	0.532	13.6	0.518	13.2	0.072	1.8
	3/8	10	0.671	17.1	0.656	16.7	0.072	1.8
	1/2	15	0.841	21.4	0.825	21.0	0.080	2.0
	3/4	20	1.059	26.9	1.041	26.4	0.092	2.3
	1	25	1.328	33.8	1.309	33.2	0.104	2.6
	1 1/4	32	1.670	42.5	1.650	41.9	0.104	2.6
	1 1/2	40	1.903	48.4	1.882	47.8	0.116	2.9
	2	50	2.347	60.2	2.307	59.6	0.116	2.9
	2 1/2	65	2.991	76.0	2.960	75.2	0.128	3.2
	3	80	3.491	88.7	3.460	87.9	0.128	3.2
	4	100	4.481	113.9	4.450	113.0	0.144	3.6
	Medium (B)	1/8	6	0.411	10.4	0.386	9.8	0.080
1/4		8	0.547	13.9	0.522	13.3	0.092	2.3
3/8		10	0.685	17.4	0.660	16.8	0.092	2.3
1/2		15	0.856	21.7	0.831	21.1	0.104	2.6
3/4		20	1.072	27.2	1.047	26.6	0.104	2.6
1		25	1.346	34.2	1.316	33.4	0.128	3.2
1 1/4		32	1.687	42.9	1.657	42.1	0.128	3.2
1 1/2		40	1.919	48.8	1.889	48.0	0.128	3.2
2		50	2.394	60.8	2.354	59.8	0.144	3.6
2 1/2		65	3.014	76.6	2.969	75.4	0.144	3.6
3		80	3.524	89.5	3.469	88.1	0.160	4.0
4		100	4.524	114.9	4.459	113.3	0.176	4.5
5		125	5.534	140.6	5.459	138.7	0.192	5.0
6	150	6.539	166.1	6.459	164.1	0.192	5.0	
Heavy (C)	1/8	6	0.411	10.4	0.386	9.8	0.104	2.7
	1/4	8	0.547	13.9	0.522	13.3	0.116	2.9
	3/8	10	0.685	17.4	0.660	16.8	0.116	2.9
	1/2	15	0.856	21.7	0.831	21.1	0.128	3.2
	3/4	20	1.072	27.2	1.047	26.6	0.128	3.2
	1	25	1.346	34.2	1.316	33.4	0.160	4.0
	1 1/4	32	1.687	42.9	1.657	42.1	0.160	4.0
	1 1/2	40	1.919	48.8	1.889	48.0	0.160	4.0
	2	50	2.394	60.8	2.354	59.8	0.176	4.5
	2 1/2	65	3.014	76.6	2.969	75.4	0.176	4.5
	3	80	3.524	89.5	3.469	88.1	0.192	5.0
	4	100	4.524	114.9	4.459	113.3	0.212	5.4
	5	125	5.534	140.6	5.459	138.7	0.212	5.4
6	150	6.539	166.1	6.459	164.1	0.212	5.4	

Yield Strength : 195 N/mm²
Tensile Strength : 320 to 460 N/mm²



ERW Pipes
BS1387-1985

Steel tubes and tubulars suitable for screwing to BS 21 pipe threads

Tube	Weight of black pipe				Ordinary sockets			
	Plain end		Screwed and socketed		Min. outside dia.		Min. length	
	lb/ft	kg/m	lb/ft	kg/m	in.	mm	in.	mm
Light (A)	0.243	0.361	0.245	0.364	19/32	15.0	3/4	19
	0.347	0.517	0.350	0.521	23/32	18.5	1 1/16	27
	0.453	0.674	0.457	0.680	7/8	22.0	1 1/8	28
	0.640	0.952	0.646	0.961	1 1/16	27.0	1 7/16	37
	0.944	1.410	0.954	1.420	1 9/32	32.5	1 9/16	39
	1.350	2.010	1.360	2.030	1 9/16	39.5	1 13/16	46
	1.730	2.580	1.750	2.610	1 15/16	49.0	2	51
	2.190	3.250	2.220	3.290	2 3/16	56.0	2	51
	2.760	4.110	2.810	4.180	2 11/16	68.0	2 3/8	60
	3.900	5.800	3.980	5.920	3 5/16	84.0	2 11/16	69
	4.580	6.810	4.690	6.980	3 7/8	98.0	2 15/16	75
	6.640	9.890	6.840	10.200	4 7/8	124.0	3 7/16	87
Medium (B)	0.273	0.407	0.275	0.410	19/32	15.0	3/4	19
	0.437	0.650	0.440	0.654	23/32	18.5	1 1/16	27
	0.573	0.852	0.577	0.858	7/8	22.0	1 1/8	28
	0.822	1.220	0.828	1.230	1 1/16	27.0	1 7/16	37
	1.060	1.580	1.070	1.590	1 9/32	32.5	1 9/16	39
	1.640	2.440	1.650	2.460	1 9/16	39.5	1 13/16	46
	2.110	3.140	2.130	3.170	1 15/16	49.0	2	51
	2.430	3.610	2.460	3.650	2 3/16	56.0	2	51
	3.420	5.100	3.470	5.170	2 11/16	68.0	2 3/8	60
	4.380	6.510	4.460	6.630	3 5/16	84.0	2 11/16	69
	5.690	8.470	5.800	8.640	3 7/8	98.0	2 15/16	75
	8.140	12.100	8.340	12.400	4 7/8	124.0	3 7/16	87
10.900	16.200	11.200	16.700	5 15/16	151.0	3 3/4	96	
12.900	19.200	13.300	19.800	7	178.0	3 3/4	96	
Heavy (C)	0.331	0.493	0.333	0.496	19/32	15.0	3/4	19
	0.517	0.769	0.520	0.773	23/32	18.5	1 1/16	27
	0.686	1.020	0.690	1.030	7/8	22.0	1 1/8	28
	0.977	1.450	0.983	1.460	1 1/16	27.0	1 7/16	37
	1.270	1.900	1.280	1.910	1 9/32	32.5	1 9/16	39
	2.000	2.970	2.010	2.990	1 9/16	39.5	1 13/16	46
	2.580	3.840	2.600	3.870	1 15/16	49.0	2	51
	2.980	4.430	3.010	4.470	2 3/16	56.0	2	51
	4.140	6.170	4.190	6.240	2 11/16	68.0	2 3/8	60
	5.310	7.900	5.390	8.020	3 5/16	84.0	2 11/16	69
	6.760	10.100	6.870	10.300	3 7/8	98.0	2 15/16	75
	9.710	14.400	9.910	14.700	4 7/8	124.0	3 7/16	87
	12.000	17.800	12.300	18.300	5 15/16	151.0	3 3/4	96
	14.300	21.200	14.700	21.800	7	178.0	3 3/4	96

Yield Strength : 195 N/mm²
Tensile Strength : 320 to 460 N/mm²

