



STEEL PIPES & TUBES



BBJ PIPE

INDUSTRIES (PVT) LTD.

Working for a better tomorrow



BBJ Pipe is a well known and prestigious manufacturing unit in Oil & Gas sector having accreditation of American Petroleum Institute API-5L along with ISO 9001:2008 certification. BBJ Japanese design Pipe mills are equipped with Solid-State/High frequency welder. The steel line pipe is manufactured in accordance with the specifications of API-5L (latest edition), ASTM A-53 (2002) and BS standards etc. The steel line pipe is available from ½” to 12” diameter, with wall thickness upto 9.0 mm use for water, oil & gas applications.

In the year 2008 BBJ installed four Steel tube mills having facility to manufacture sizes from 5/8” to 6” in round, square, rectangle and elliptical shapes in different thicknesses, lengths and dimensions. These are used in use in different applications as explained below.

PRODUCT RANGE

Our full range of products includes: -

- Precision welded ERW & CEW Boiler pipes/Tubes
- General Engineering Tubes, Mechanical & Structural Tubes
- Automobiles Tubes, Cycle & Motor Cycle Tubes
- Square, Rectangle, elliptical, D shape & Z shape ERW Tubes
- ERW commercial pipes

APPLICATIONS

Above grouped products find application in: -

- Boilers
- Transformer
- Water pipes
- Fan Industry
- Super Heaters
- Sugar Plants
- Scaffolding pipes
- Tent & Poles
- Automobiles Industries
- Furniture Industries
- Constructions
- Light & Heavy Machinery

RECTANGULAR

Conforming to BS 6323 Part 1 & 5 (1982)

Dimension (Kg/meter)

Size (mm)	Dimensions		Mass of Tube				
	(max)	(min)	0.90	1.20	1.60	1.90	2.30
10 x 20	10.04 x 20.04	09.88 x 19.88	0.403				
12 x 25	12.04 x 25.04	11.88 x 24.89		0.670	0.863		
12 x 38	12.04 x 38.04	11.88 x 37.88	0.686	0.906	1.192		
20 x 40	20.04 x 40.04	19.88 x 39.88	0.825				
25 x 50	25.04 x 50.04	24.89 x 49.88		1.388	1.835		
38 x 76	38.04 x 76.04	37.89 x 75.89				3.224	3.855

Above sizes are available on request

ELLIPTICAL PIPE

Conforming to BS 6323 Part 1 & 5 (1982)

Dimension (Kg/meter)

Size (mm)	Dimensions		Mass of Tube		
	(max)	(min)	0.90	1.20	1.60
19/42 (Elliptical)	19.05 x 42.03	18.89 x 41.68		0.906	
24/56 (Elliptical)	25.04 x 50.03	24.89 x 49.88		1.213	

STEEL TUBING

Conforming to BS 1387; (1985), BS 6323 Part 1 & 5: (1982), BS 1717: (1983), ASTM A 53 (2002) Dimension (Kg/meter)

Size (mm)	0.60	0.70	0.90	1.00	1.20	1.60	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.50	5.00
12.70	0.179	0.207	0.262												
15.90	0.226	0.262	0.333	0.367	0.435	0.564	0.686								
17.50					0.482	0.627	0.764								
19.05	0.273	0.317	0.403	0.445	0.528	0.689	0.841								
21.20							0.947		1.193						
22.20		0.371	0.473		0.621	0.813	0.996	1.129							
23.80						0.876									
25.40	0.367	0.426	0.544		0.716	0.939	1.154								
26.60							1.213	1.378	1.539						
28.60				0.681	0.811	1.065									
31.80			0.686		0.906	1.192	1.470								
33.30								1.758	1.968		2.410				
38.00															
38.10			0.826		1.092	1.440									
42.20					1.213	1.602		2.263	2.539		3.100				
48.10					1.388	1.835			2.917	3.230	3.570				
60.30									3.699	4.105		5.030			
75.60										5.199	5.710	6.430			
88.30										6.107	6.720		8.370		
113.5											8.590	9.750		12.20	
138.80												11.95	13.29		16.66
164.10												14.19	15.77		19.60

Above sizes are available on request

SQUARE PIPE

Conforming to BS 6323 Part 1 & 5 (1982)
Dimension (Kg/meter)

Size (mm)	Dimensions		Mass of Tube					
	(max)	(min)	0.60	0.70	0.90	1.20	1.60	2.0
10 x10	10.040	9.880	0.179	0.207	0.262			
12 x 12	12.540	12.380	0.226	0.262	0.333	0.435	0.564	
15 x 15	15.060	14.900			0.403	0.528	0.689	
20 x 20	20.040	19.880			0.544	0.716	0.939	
25 x 25	25.040	24.890			0.686	0.906	1.192	
30 x 30	30.040	29.890				1.092	1.440	
38 x 38	38.040	37.890				1.388	1.835	
40 x 40	40.040	39.890					1.880	2.31
49.5 x 49.5	49.54	49.390						2.90

DELIVERY CONDITIONS

Cold rolled formed (round, rectangular, square, elliptical)
Hot rolled self Colour pipe

PACKING

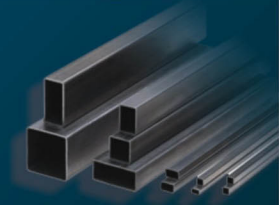
Pipes are delivered in bundles of hexagon or square shape, fastened with sufficient number of steel straps and identified by tags. Special packing can be tailored to the customers' requirements. The standard package includes surface protection for transport and short term storage.



FINISHING

Standard: Non-deburred end

Square cut/threaded De-Burred & Exact cut to length can be provided upon request.



SPECIFICATIONS

We can supply steel pipes & tubes in any size in accordance with the following specifications. Other specifications can be arranged on request.

For Cycles and Motor Cycles

IS 2039/1964/1981/1991
ERW-C1/C2/C3; CEW-C1/C2
BS 1717/1951/1983/
ERW-C1/C2/C3; CEW-C1/C2/C3
IS 3074/1965/1979/1990
ERW-1/2, CEW-1/2
BS 6323/1982 P5 ERW P6 CEW
BS 980/1950 ERW – ½; CEW-1/2
JIS 3445/1983 STKM 11/12/13
DIN 2393/1967 ERW
DIN 2394/1957 CEW

For Boiler & Heat Exchanger

IS 1914/1961/1977/1982/1990
ERW-320; CEW-320
BS 3059/1968/1978/1987/1990 P1
ERW-320;
CEW-320 P11 ERW-360; CEW-360
ASTM A178/1989 Gr. A
ASTM A214/1988
JIS 3461/1984 STB35

For Mechanical, Structural
and General Engineering

IS/3601/1966/1984/1987/1990
ERW WT 160/200/240
CEW ANNEALED CEW 160/200/240
CEW As drawn CEW 370/430
BS 6323/1982 P5 ERW; P6 CEW
BS 1775/1964 ERW-11; CEW-11/24
JIS 3445/1983 STKM 11/12/13
DIN 2393/1967 ERW
DIN 2394/1957 CEW
ASTM A513/88
ASTM 500/89 Gr. A, Gr. B
IS 1161/1979 ERW YST 210/240
IS 1239/1969 P1

Pipe for Pressure Applications

JIS 3444/1982 STK30/41
API 5L/2008 ASTM A53/2002 Gr. A,
Gr. B BS 1387/1985

Section/Shape Tubes

IS 4923/1985/1990 ERW YST 210/240
JIS G 3466/82 STKR 41

Furniture

IS 7138/1977/1988 ERW

Idler Tubes

IS 8036/1983/1990 EW 210/240

Round/Elliptical Transformer tubes

IS 8036/1976/1988 ERW

For Water & Gas tubes

IS 1239 (PART 1) 1990

For Structural Purposes

IS 1161-1979 STEEL TUBES

For Water Gas & Sewage

IS 3589-1991/BS 534

For Line pipe

IS 1978-1982, API-52, ASTM A-53

For Rigid Steel conduits

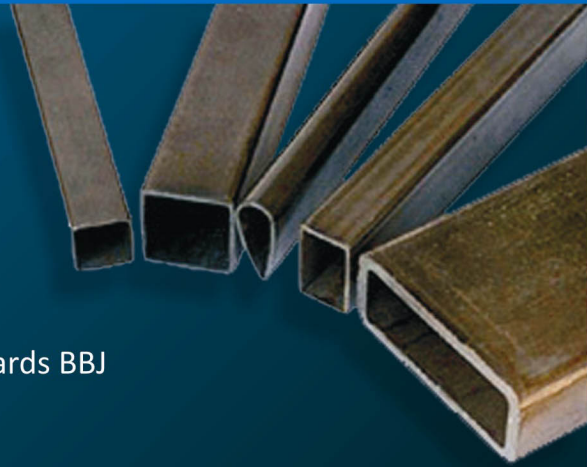
Electrical Wiring

IS 2667-1988

For conduits for Electrical wiring

IS 9537 (Part 1 & II) – 1981





DIMENSIONAL TOLERANCE

Dimensional tolerances are guaranteed in accordance with the standards BBJ manufacture steel pipes & tubes.

SPECIFICATIONS 1387:1967
DIMENSIONS, NOMINAL WEIGHT, TEST PRESSURE ETC OF MS ERA STEEL TUBES

Nominal Bore and Series			Approximate Outside Diameter		Wall Thickness			Average inside Diameter		Nominal Weight Black Tube				Places of 6 Meters/M. Ton of Screwed end socketed	Calculated nominal weights Galvanized Pipes				Places of 6 Meters/M. Ton of Galvanized Screwed end socketed
										Plain	End	Screwed end Socketed			Plain end		Screwed end Socketed		
INCH	MM	CLASS	INCH	MM	INCH	MM	SWG APPROX	INCH	MM	LBS/FT	KG/M	LBS/FT	KG/M	APPROX	LBS/FT	KG/M	LBS/FT	KG/M	APPROX
1/2"	15	L	0.833	212.00	0.080	2.00	14	0.673	17.20	0.640	0.952	0.646	0.961	174	0.685	1.02	0.692	1.03	162
1/2"	15	M	0.8434	214.00	0.104	2.65	12	0.630	16.10	0.822	1.220	0.828	1.230	136	0.869	1.28	0.865	1.29	129
1/2"	15	H	0.8434	214.00	0.128	3.25	10	0.587	14.90	0.977	1.450	0.983	1.460	114	1.015	1.51	1.021	1.52	110
3/4"	20	L	1.05	26.65	0.092	2.35	13	0.866	21.95	0.944	1.410	0.954	1.420	117	1.001	1.49	1.008	1.5	111
3/4"	20	M	1.059	26.90	0.104	2.65	12	0.851	21.60	1.060	1.580	1.070	1.590	105	1.110	1.66	1.120	1.67	100
3/4"	20	H	1.059	26.90	0.128	3.25	10	0.803	20.40	1.270	1.900	1.280	1.910	87	1.330	1.98	1.340	1.99	84
1"	25	L	1.318	33.50	0.104	2.65	12	1.110	28.20	1.350	2.010	1.360	2.030	82	1.420	2.11	1.430	2.13	78
1"	25	M	1.331	33.80	0.128	3.25	10	1.075	27.30	1.640	2.440	1.650	2.460	68	1.710	2.54	1.720	2.56	65
1"	25	H	1.331	33.80	0.160	4.05	8	1.011	25.70	2.000	2.970	2.010	2.990	56	2.060	3.07	2.080	3.09	54
1-1/4"	32	L	1.66	42.20	0.104	2.65	12	1.452	36.90	1.730	2.580	1.750	2.610	64	1.820	2.71	1.840	2.74	61
1-1/4"	32	M	1.672	42.50	0.128	3.25	10	1.416	36.00	2.110	3.140	2.130	3.170	53	2.190	3.26	2.210	3.29	51
1-1/4"	32	H	1.672	42.50	0.160	4.05	8	1.352	34.40	2.580	3.840	2.600	3.870	43	2.660	3.96	2.680	3.99	42
1-1/2"	40	L	1.892	48.10	0.116	2.90	11	1.660	42.30	2.190	3.250	2.220	3.290	51	2.280	3.39	2.310	3.43	49
1-1/2"	40	M	1.904	48.40	0.123	3.25	10	1.648	41.00	2.430	3.610	2.460	3.650	46	2.520	3.75	2.550	3.79	44
1-1/2"	40	H	1.904	48.40	0.160	4.05	8	1.584	40.30	2.980	4.430	3.010	4.470	38	3.080	4.69	3.110	4.63	36
2"	50	L	2.358	59.90	0.116	2.90	11	2.126	54.10	2.760	4.110	2.810	4.180	40	2.880	4.29	3.930	4.36	38
2"	50	M	2.374	60.30	0.144	3.65	9	2.086	53.00	3.420	5.100	3.470	5.170	32	3.550	5.28	3.600	5.35	31
2"	50	H	2.374	60.30	0.176	4.50	7	2.022	51.30	4.140	6.170	4.190	6.240	27	4.270	6.35	4.310	6.42	26
2-1/2"	65	L	2.975	75.60	0.128	3.25	10	2.719	69.10	3.900	5.800	3.980	5.920	28	4.060	6.04	4.140	6.16	27
2-1/2"	65	M	2.991	76.00	0.144	3.65	9	3.653	68.70	4.380	6.510	4.460	6.630	25	4.520	6.72	4.600	6.84	24
2-1/2"	65	H	2.991	76.00	0.176	4.50	7	2.639	67.00	5.310	7.900	5.390	8.020	21	5.450	8.11	5.530	8.23	20
3"	80	L	3.475	88.30	0.128	3.25	10	3.219	81.80	4.580	6.810	4.690	6.980	24	4.740	7.06	4.900	7.29	23
3"	80	M	3.496	88.80	0.160	4.05	8	3.176	80.70	5.690	8.470	5.000	8.640	19	5.860	8.72	5.970	8.89	19
3"	80	H	3.496	88.80	0.192	4.85	6	3.122	79.10	6.760	10.100	6.870	10.300	16	6.950	10.34	7.060	10.51	16
4"	100	L	4.465	113.45	0.440	3.65	9	4.172	106.50	6.640	9.890	6.840	10.200	16	6.860	10.21	7.050	10.51	16
4"	100	M	4.491	114.10	0.176	4.50	7	4.139	105.10	8.140	12.100	8.340	12.400	13	8.350	12.42	8.536	12.72	13
4"	100	H	4.491	114.10	0.212	5.40	5	4.067	103.30	9.710	14.400	9.910	14.700	11	9.890	17.72	10.090	15.02	11
5"	125	M	5.496	139.65	0.192	4.85	6	5.112	129.25	10.900	16.200	11.200	16.700	10	11.150	16.59	11.460	17.09	10
6"	150	M	6.499	165.10	0.192	4.85	6	6.119	125.40	12.900	19.200	13.300	19.800	8	12.930	19.27	13.600	20.27	8

QUALITY

BBJ adopts strategic planning techniques that help them to be consistent in their performance and provide high-quality products to the clients. Each and every product is minutely checked to ensure that only the approved, high quality product reaches the market. Emphasizing on superior working environment, quality, reliability and client service, the company is able to maintain the supremacy of the products. Following tests are performed before delivering products to clients: -

- Tensile test
- Flattening Test
- Drift Expansion test
- Hydrostatic test (for water, oil & gas use)
- Other recommended test as per specification

S T E E L T U B I N G

BBJ PIPE



API-5L
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