



JINDAL STEEL TUBES LTD.

**PRODUCT
CATALOGUE**



**STEEL TUBES
FOR A LIFETIME**

www.jindaltube.com



50 YEARS OF NATION BUILDING



50 years of nation building





Our Founder Lt. Sh. D S Jindal being awarded the Padamshree award in 1973 by Shri V.V. Giri, The Hon'ble President of India.

OUR HERITAGE

Jindal Steel Tubes Limited, popularly known as Jindal Globe a pioneer in the steel industry for over 5 decades, has been manufacturing Plain as well as Galvanized Steel Pipes & Tubes under the renowned brand name 'Jindal'.

Jindal Steel Tubes Ltd. was the 1st Pipe manufacturing unit to be set up in the Southern part of the country (Hyderabad) under the leadership of its Founder Late Padamshree Debi Sahai Jindal, founding member of the Jindal Group'. Based in Hyderabad since 1973, we have diligently adhered to BIS standards, providing high –quality products to leading OEM's, construction firms and various industries. Presently, we supply various steel products from 3 manufacturing units based out of Telangana, Uttar Pradesh & Chhattisgarh. We are proud to say that we have contributed significantly towards building the nation through our endeavours.

With an installed capacity of approx. .50 MTPA (million tons per annum) spread across 3 states, we can manufacture and deliver at a very fast pace.

Jindal Steel Tubes through its strategic collaborations can manufacture MS as well as Galvanized Steel Pipes and tubes as per the following BIS specification –

IS 4923, IS 1161, IS 1239, IS 3601, IS 9295, IS 3589

As reputable manufacturers and suppliers of ERW Pipes and Tubes, we proudly serve esteemed OEM clients. We also serve various government as well as private clients through our wide retail and Wholesale network of dealers and distributors from Jammu & Kashmir to Chennai.

We use best in class input raw material which is further rolled into high quality pipes & tubes through state of the art rolling mills.

The company has been bestowed with various honours on account of its Quality as well as customer oriented services.

Product portfolio includes wide range of Black Pipes (M S Pipes), G.I.Pipes, Pre-Galvanized Pipes (GP pipes) in round, Square & rectangular sections, Color Coated Roofing Sheets, Wire Mesh



————— 50 years of nation building —————





OUR MISSION

The mission statement of the company has always been –

- To be the preferred Choice of supplier of Pipes and Tubes across the country
- Maintain highest Quality standards and become the best manufacturer of Pipes and Tubes across the country
- To adopt the best & latest manufacturing technologies in the world.
- Quality and customer service is our topmost priority
- Customer centric approach with services like Material availability, on time Deliveries, competitive pricing are the key deliverables.
- Complete qualitative analysis to ensure defect free & zero product nonconformity.

PRODUCT PROFILE

MS Black Pipe			
BIS	Round	Square Hollow Sections	Rectangular Hollow Sections
IS 1239	15mm - 150mm		
IS 3601	As per requirement		
IS 1161	15mm - 250mm		
IS 3589	150mm - 250mm		
IS 9295	63.5 OD - 219.10 OD		
IS 4923		15X15 - 200X200	40X20 - 200X150

Galvanized Pipes (G.I)	
BIS	Round
IS 1239	15mm - 150mm
IS 1161	15mm - 250mm
IS 3601	As per requirement

Pre Galvanized Pipes (G.P)		
BIS	Dimension	Thickness in mm
IS 3601	15mm - 150mm	1, 1.2, 1.4, 1.8, 2
IS 4923	20X20 - 150X150 , 40X20 -	1, 1.2, 1.4, 1.8, 2

Advantages of Using Jindal Pipes :

1. Best in class quality
2. Cost effective due to Logistic Advantage
3. In time and on site delivery
4. Staggered dispatches as per requirement



Note : Jindal Globe Pipes are highly recommended for Fire Fighting, Structural and Industrial Applications.



STRONG AND SECURE ROOFING SOLUTION

FROM
JINDAL STEEL TUBES LTD.



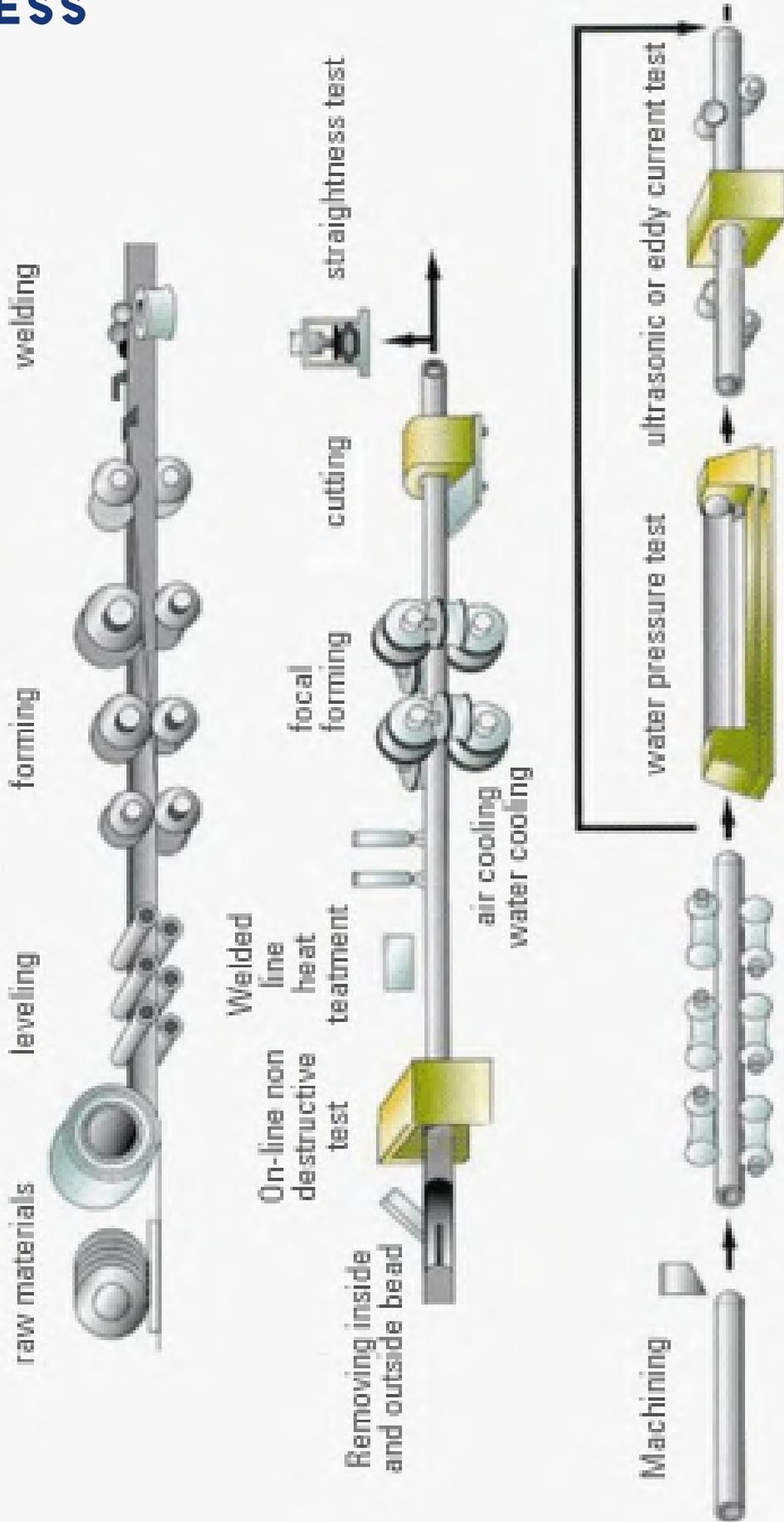
Over 4 decades of experience and expertise

Fully automated manufacturing unit

Manufactured in ISO 9001-2008 certified factory

12 Stage quality check

OUR MANUFACTURING PROCESS





Jindal Pipes & Tubes are produced utilizing state-of-the-art GMT ERW Tube Mills, which feature an advanced entry section, rapid-change mill sections, a diverse range of flying cutoff machines, and precision tooling. This sophisticated manufacturing process is designed to fulfill the rigorous standards required for various applications, including general engineering, automotive industries, cross-country pipelines, structural components, boilers, heat exchangers, and other pertinent uses.

The Tube Mills are engineered with a robust design and incorporate a highly efficient helical drive system along with multiple levels of automation to enhance productivity. Additionally, the specialized shaping stands and Turks head facilitate the production of intricate hollow sections while maintaining exceptional quality standards. This combination of advanced technology and meticulous engineering ensures that Jindal Pipes & Tubes meet the diverse needs of their clients across different sectors.

FEATURES



Fully automatic operation



Line speed up to 100m/min



Quick change raft type design



Driven shaping stands for accurate shapes



Accurate cut lengths within + 2mm



PRODUCT SPECIFICATIONS



50 years of nation building



BLACK AND GALVANIZED STEEL PIPES FOR ORDINARY USES IN WATER, GAS, STEAM & AIR

Conforming to IS:1239 (Part-I) 2004

Nominal Bore (N.B.)		Outside Diameter		CLASS	Wall Thickness		NOMINAL WEIGHT		METERS / TON	
MM	INCH	Minimum	Maximum		MM	SWG*	Kg / Meters		P.E.	S & S
15	(1/2")	21.00	21.40	L	2.00	14	0.95	0.96	1056	1046
		21.00	21.80	M	2.60	12	1.21	1.22	826	820
		21.00	21.80	H	3.20	10	1.44	1.45	694	690
20	(3/4")	26.40	26.90	L	2.30	13	1.38	1.39	725	719
		26.50	27.30	M	2.60	12	1.56	1.57	641	637
		26.50	27.30	H	3.20	10	1.87	1.88	535	532
25	(1")	33.20	33.80	L	2.60	12	1.98	2.00	505	500
		33.30	34.20	M	3.20	10	2.41	2.43	415	411
		33.30	34.20	H	4.00	8	2.93	2.95	341	339
32	(1 1/4")	41.90	42.50	L	2.60	12	2.54	2.57	394	389
		42.00	42.90	M	3.20	10	3.10	3.13	322	319
		42.00	42.90	H	4.00	8	3.79	3.82	264	262
40	(1 1/2")	47.80	48.40	L	2.90	11	3.23	3.27	310	306
		47.90	48.80	M	3.20	10	3.56	3.60	281	278
		47.90	48.80	H	4.00	8	4.37	4.41	229	227
50	(2")	59.60	60.20	L	2.90	11	4.08	4.15	245	241
		59.70	60.80	M	3.60	9	5.03	5.10	199	196
		59.70	60.80	H	4.50	7	6.19	6.26	161	160
65	(2 1/2")	75.20	76.00	L	3.20	10	5.71	5.83	175	171.5
		75.30	76.60	M	3.60	9	6.42	6.54	156	153
		75.30	76.60	H	4.50	7	7.93	8.05	126	124
80	(3")	87.90	88.70	L	3.20	10	6.72	6.89	149	145
		88.00	89.50	M	4.00	8	8.36	8.53	120	117
		88.00	89.50	H	4.80	6	9.90	10.10	101	99
100	(4")	113.00	113.90	L	3.60	9	9.75	10.00	102	100
		113.10	115.00	M	4.50	7	12.20	12.50	82	80
		113.10	115.00	H	5.40	5	14.50	14.80	69	67
125	(5")	138.50	140.80	M	4.80	6	15.90	16.40	63	61
		138.50	140.80	H	5.40	5	17.90	18.40	56	54
150	(6")	163.90	166.50	M	4.80	6	18.90	19.50	53	51
		163.90	166.50	H	5.40	5	21.30	21.90	47	46

* Standard Wire Gauge

TOLERANCE

Thickness:	For quantities per load of 10 ton Min.: +/- 7.5% (Medium & Heavy series)
Light Tubes : + not limited - 8%	Chemical Composition
Medium & Heavy Tubes: + not limited - 10%	As per IS: 10748 – 2004
Weight:	Physical Properties
Single Tube : + 10% (light series) - 8%	Tensile strength : Min. 320 Mpa
Single Tube : +/- 10% (Medium & Heavy series)	Elongation % age : 20% Min. above 25 mm NB 12% Min. upto 25 mm NB
For quantities per load of 10 ton Min.: (light series) +7.5% -5.0%	Hydro Test Pressure : 5 Mpa

STEEL PIPES FOR STRUCTURAL PURPOSE

Confirming to IS : 1161 - 2014

Nominal Size NB		Outside Diameter D	Thickness T		Nominal Weight Black Tubes Plain End	
MM	INCH		MM	SWG	Kg/Meter	Meter/Ton
15	(1/2")	21.30	2.00	14	0.947	1056
			2.60	12	1.210	826
			3.20	10	1.440	694
20	(3/4")	26.90	2.30	13	1.380	725
			2.60	12	1.560	641
			3.20	10	1.870	535
25	(1")	33.70	2.60	12	1.980	505
			3.20	10	2.410	415
			4.00	08	2.930	341
32	(1 1/4")	42.40	2.60	12	2.540	394
			3.20	10	3.100	322
			4.00	08	3.790	264
40	(1 1/2")	48.30	2.90	11	3.230	310
			3.20	10	3.560	281
			4.00	08	4.370	229
50	(2")	60.30	2.90	11	4.080	245
			3.60	09	5.030	199
			4.50	07	6.190	162
65	(2 1/2")	76.10	3.20	10	5.710	175
			3.60	09	6.420	156
			4.50	07	7.930	126
80	(3")	88.90	3.20	10	6.720	149
			4.00	08	8.360	120
			4.80	06	9.990	101
100	(4")	114.30	3.60	09	9.750	102
			4.50	07	12.200	82
			5.40	05	14.500	70
110		127.00	4.50	07	13.600	74
			4.80	06	14.500	69
			5.40	05	16.200	62
125	(5")	139.70	4.50	07	15.000	66.5
			4.80	06	15.900	63
			5.40	05	17.900	56
135		152.40	4.50	07	16.400	61
			4.80	06	17.500	57
			5.40	05	19.600	51
150	(6")	165.10	4.50	07	17.800	56
			4.80	05	18.900	53
			5.40	05	21.300	47
150	(6")	168.30	4.50	07	18.200	55
			4.80	06	19.400	51.5
			5.40	05	21.700	46
175	(7")	193.70	6.30	03	25.200	40
			4.80	06	22.400	45
			5.40	05	25.100	40
200	(8")	219.10	5.90	04	27.300	37
			4.80	06	25.400	39
			5.60	05	29.500	34
			5.90	04	31.000	32

Chemical Properties

C	0.20% Max
Mn	1.3% Max
P	0.04% Max
S	0.04% Max

Physical Properties

Grade	YS (Min.) Mpa	TS (Min.) Mpa	% age (Min.) Elong.
YST-210	210	330	20
YST-240	240	410	17
YST-310	310	450	14

Note: For tubes upto size 25mm NB including Elongation of 12% shall be permissible.

Weight

Single tubes (light series)	+10%
	-8%

Single tubes (medium & heavy series)	+/- 10%
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Weight Truck Load

For lot of 10 Ton Min.

Light Series	+/- 5%
medium & heavy series	+/- 7.5%

Tolerance

Outside diameter:	
upto and including 48.3mm	+ 0.4mm
	- 0.8mm
Over 48.3mm	+/- 1%

Thickness

+ Not Limited	- 10%
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HOLLOW STEEL SECTIONS FOR STRUCTURAL USE

SQUARE HOLLOW SECTION (SHS)

Conforming to IS : 4923 – 1997

SHS (DxB)*	THICKNESS	UNIT WEIGHT	
		Kg/Meter	Meter/Ton
15 X 15	1.20	0.53	1900
	1.60	0.69	1455
	2.00	0.84	1190
19 X 19	2.00	0.99	1010
	2.60	1.20	833
	2.90	1.30	769
25 X 25	2.00	1.36	735
	2.60	1.69	592
	3.20	1.98	505
32 X 32	2.60	2.26	442
	3.20	2.69	372
	4.00	3.19	313
38 X 38	2.00	2.18	459
	2.60	2.75	364
	3.20	3.29	304
	4.00	3.95	253
40 X 40	2.00	2.31	433
	2.60	2.92	342
	3.20	3.49	287
	4.00	4.20	238
49.5 X 49.5	2.60	3.69	271
	3.20	4.45	225
	4.50	5.95	168
60 X 60	2.60	4.55	220
	3.20	5.50	182
	3.50	5.96	168
	4.50	7.43	135
72 X 72	3.20	6.71	149
	4.00	8.22	122
	5.00	10.01	100

SHS (DxB)*	THICKNESS	UNIT WEIGHT	
		Kg/Meter	Meter/Ton
80 X 80	3.20	7.51	133
	4.00	9.22	108
	5.00	11.27	89
91.5 X 91.5	3.60	9.67	103
	4.50	11.88	84
	5.40	14.01	71
100 X 100	3.60	10.64	94
	4.50	13.08	76
	6.00	16.98	59
113.5 X 113.5	4.00	13.43	74
	5.00	16.53	60
	6.00	19.53	51
125 X 125	4.00	14.87	67
	5.00	18.33	55
	6.00	21.69	46
132 X 132	4.00	15.75	63
	5.00	19.43	51
	6.00	23.01	43
150 X 150	5.00	22.26	45
	6.00	26.40	38
	7.00	30.44	33
180 X 180	5.00	26.97	37
	6.00	32.05	31
	8.00	41.91	24

OTHER ALLOWABLE STRESS VALUES (in Mpa)

Steel Grade	Min. Yield Stress	Min. UTS
Yst 210	210	330
Yst 240	240	410
Yst 310	310	450

Note: Min.% Elongation: 10% for GR. Yst 310, 15% for GR. Yst 240 & 20% for Yst 210
e: The sizes which are not covered in the Table can also be supplied as per customer requirement (Clause – 8.1)

* D : Depth
B : Breadth

HOLLOW STEEL SECTIONS FOR STRUCTURAL USE

RECTANGULAR HOLLOW SECTION (RHS)

Conforming to IS : 4923 – 1997

RHS MM	THICKNESS MM	UNIT WEIGHT	
		Kg/Meter	Meter/Ton
40 X 20	2.00	1.68	595
	2.60	2.10	476
	3.20	2.49	402
40 X 25	1.60	1.57	640
	2.00	1.94	518
	2.50	2.39	419
50 X 25	2.00	2.15	465
	2.60	2.71	369
	3.20	3.24	309
50 X 30	4.00	3.88	258
	2.00	2.41	418
	2.50	2.98	337
50 X 40	2.90	3.43	293
	2.00	2.88	370
	2.50	3.56	297
60 X 40	2.90	4.11	260
	2.60	3.73	268
	3.20	4.50	222
66 X 33	4.50	6.02	166
	2.60	3.69	271
	3.20	4.45	225
75 X 25	4.50	5.95	168
	2.60	3.73	268
	3.20	4.50	222
80 X 40	4.50	6.02	166
	2.90	5.03	199
	3.50	5.96	168
96 X 48	4.50	7.43	135
	3.20	6.71	149
	4.00	8.22	122
90 X 60	5.00	10.01	100
	3.20	7.01	143
	4.00	8.59	116
100 X 50	5.00	10.48	95
	3.20	7.01	143
	4.00	8.59	116
120 X 60	5.40	11.21	89
	6.00	12.27	81
	3.60	9.50	105
122 X 61	4.50	11.67	86
	5.40	13.76	73
	3.60	9.67	103
125 X 75	4.50	11.88	84
	5.40	14.01	71
	4.00	12.16	83
125 X 100	5.00	15.08	67
	6.00	17.95	56
	4.00	13.71	73
145 X 82	5.00	17.02	59
	6.00	20.27	49
	3.60	12.16	82
150 X 75	4.50	14.99	67
	5.40	17.74	56
	3.60	12.05	83
150 X 75	4.50	14.85	67
	5.40	17.57	57

RHS	THICKNESS	UNIT WEIGHT	
150 X 100	3.60	13.46	74
	4.50	16.62	60
	5.40	19.69	51
172 X 92	3.60	14.25	70
	4.50	17.61	57
	5.40	20.88	48
200 X 100	4.50	20.15	50
	6.00	26.40	38
	7.00	30.44	33
200 X 150	4.50	23.68	42
	6.00	31.11	32
	8.00	40.66	25

General technical specification and tolerances:

Spec :	IS:4923:1997
Length:	6.0mtrs. +/-6.0mm customized length ranging from 4 mtrs. to 8mtrs. May be supplied.
Thickness:	For all sizes: +/- 10.0%
Outer Dimensions:	1% with a Min. of 0.5mm
Corner Squareness:	90° +/- 2°
Corner Radii:	Max. 3x (thickness of the section)
Weight:	on individual length : +10%, -8% on lots of 10 MT: +/- 7.5%
Straightness:	Min 1:600 th of any length measured along the center line (mill straightened condition) unless otherwise specifically arranged
Twist Tolerance:	Max. 2mm: +/-0.5mm /1m length, the measured relative vertical shift of any adjacent corner of the measured by keeping one side on flat surface.
End Finish:	Plain Ended- Mechanically sheared, mill-cut finish without further machining.
Surface Finish:	Black without any surface treatment of oiling or varnishing.
Raw Material:	Sulphur content: 0.05% max. Phosphorus content:0.05% max.

SPECIFICATIONS OF STEEL PIPES FOR WATER AND SEWAGE

Conforming to IS : 3589 - 2001

Nominal N.B. Size		Outside Diameter	Wall Thickness	Calculated Weight	
MM	INCH			MM	MM
150	(6")	168.30	2.60	10.60	94.30
		168.30	3.20	12.00	83.30
		168.30	4.00	16.21	61.70
		168.30	5.00	20.14	49.66
		168.30	6.00	24.01	41.64
		168.30	7.00	27.84	35.91
175	(7")	193.70	4.00	18.71	53.44
		193.70	5.00	23.27	42.97
		193.70	6.00	27.77	36.01
		193.70	7.00	32.23	31.03
		200	(8")	219.10	2.60
200	(8")	219.10	3.60	19.13	52.27
		219.10	4.00	21.22	47.13
		219.10	5.00	26.40	37.88
		219.10	5.40	28.46	35.14
		219.10	6.00	31.53	31.72
		219.10	7.00	36.61	27.31
		250	(10")	273.00	3.6
250	(10")	273.00	4.0	26.5	38
		273.00	5.0	33	30
		273.00	6.3	44.4	24

TOLERANCE

Outside Diameter:	+/- 0.75% of OD
Thickness:	+/- 10%
Ovality:	Shall not exceed 1% of the specified diameter
Bead Height:	The maximum height of the weld bead on the internal surface of the pipes shall not exceed 60% of nominal wall thickness
Straightness:	Shall not deviate from the straightness by more than 0.2% of total length
Length:	Single random length of 4 to 7 meter
Weight:	+/- 7.5% on Truck Load

PHYSICAL PROPERTIES

Grade	Yield Stress	Tensile Strength	%elongation
	Mpa(Min)	Mpa(Min)	(Min)
Fe-330	195	330	20
Fe-410	235	410	18
Fe-450	275	450	15

The sizes which are not covered in the Table can also be supplied as per customer requirement (Clause – 11.1)

STEEL TUBES FOR IDLERS FOR BELT CONVEYORS

Conforming to IS : 9295 - 1983

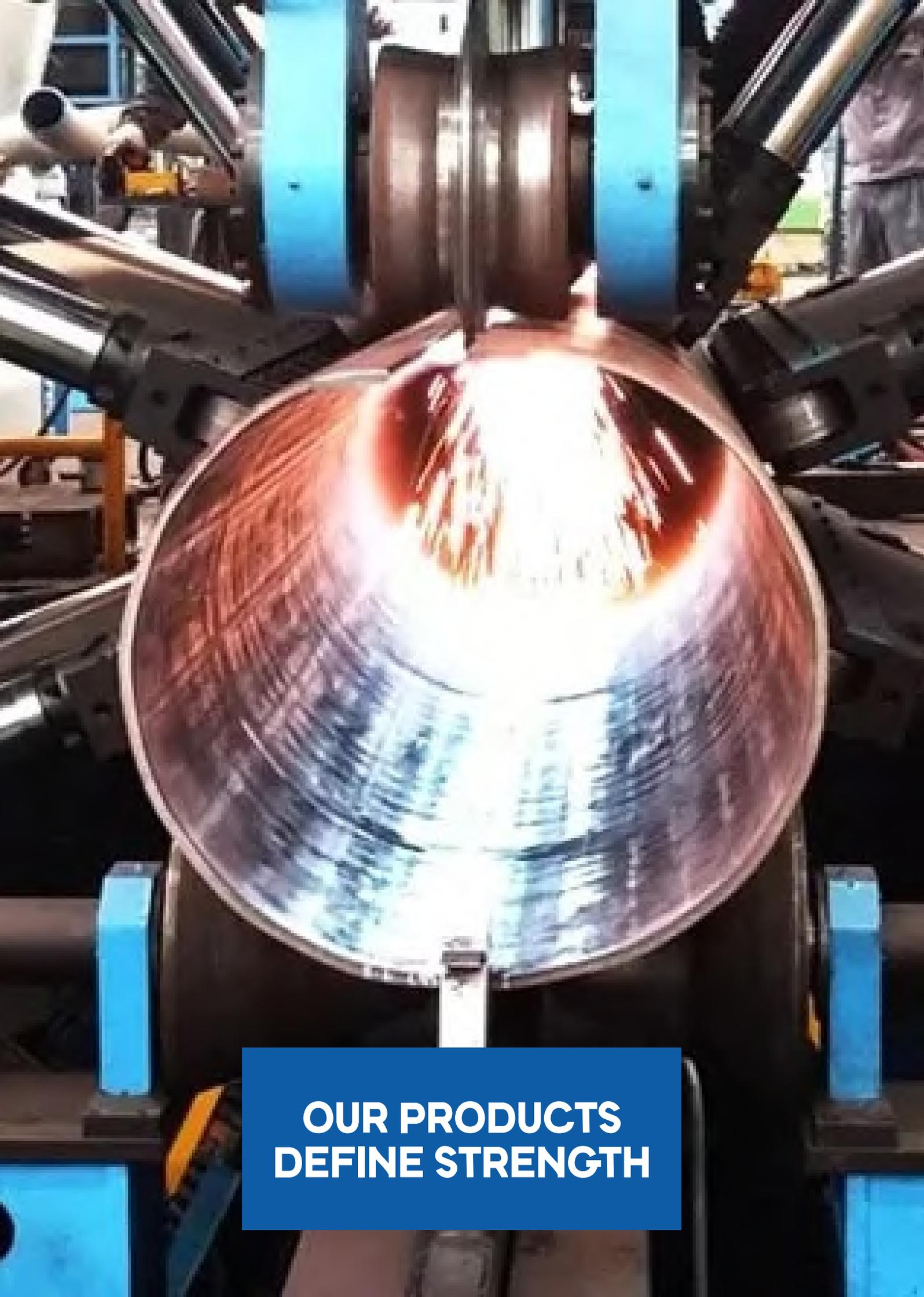
Outside Diameter mm	Thickness mm	Weight	
		Kg / Mtr.	Mtr. / Ton
63.50	3.65	5.39	185.53
63.50	4.50	6.55	152.67
76.10	3.65	6.52	153.37
76.10	4.50	7.95	125.78
88.90	4.05	8.47	118.06
88.90	4.85	10.05	99.48
88.90	6.30	12.83	77.93
101.60	4.05	9.74	102.64
101.60	4.85	11.57	86.42
101.60	6.30	14.81	67.52
114.30	4.50	12.19	82.00
114.30	5.40	14.50	68.96
114.30	6.30	16.78	59.60
139.70	4.50	15.00	66.65
139.70	4.85	16.13	62.00
139.70	5.40	17.89	55.90
139.70	6.30	20.73	48.25
165.10	4.50	17.80	56.18
165.10	4.85	19.17	52.18
165.10	5.40	21.27	47.02
165.10	6.30	24.67	40.53
219.10	5.40	28.50	35.09
219.10	6.30	33.06	30.26
219.10	7.10	37.12	26.95

TOLERANCES

Outside Diameter:	+/- 0.8%
Thickness:	+/- 10%
Weight	
Single Tube:	+/- 10%
For quantities per load Of 10 Ton Min.:	+/- 7.5%
Ovality	
Below 168.3mm OD:	(0.5MM)
168.3mm OD & above:	(1.0MM)
Eccentricity	5% of wall thickness

PHYSICAL PROPERTIES

Grade	Y.S. (Min.) Mpa	T.S.(Min.) Mpa	%age Elongation
ERW-210	210	330	20
ERW-240	240	410	18
ERW-310	310	450	15



**OUR PRODUCTS
DEFINE STRENGTH**

QUALITY ANALYSIS & TESTING

**QUALITY PRODUCTS
THAT WITHSTAND
THE TEST OF TIME**



**NON
DESTRUCTIVE
TESTING**



**UNIVERSAL
TESTING
MACHINE**



**FLATTENING
TEST**



**CHEMICAL
TESTING
USING
SPECTROMETER**

PRODUCT APPLICATION

INDUSTRIAL APPLICATION



OIL & GAS



FIRE FIGHTING SYSTEM



AUTOMOBILE INDUSTRY



BOREWELLS



WATER PIPE LINE



STRUCTURAL ENGINEERING



CONVEYOR SYSTEMS





STEEL TUBES FOR A LIFETIME



Over 4 decades of experience and expertise

Fully automated manufacturing unit

Manufactured in ISO 9001-2008 certified factory

12 Stage quality check



CONTACT US

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JINDAL STEEL TUBES LTD.