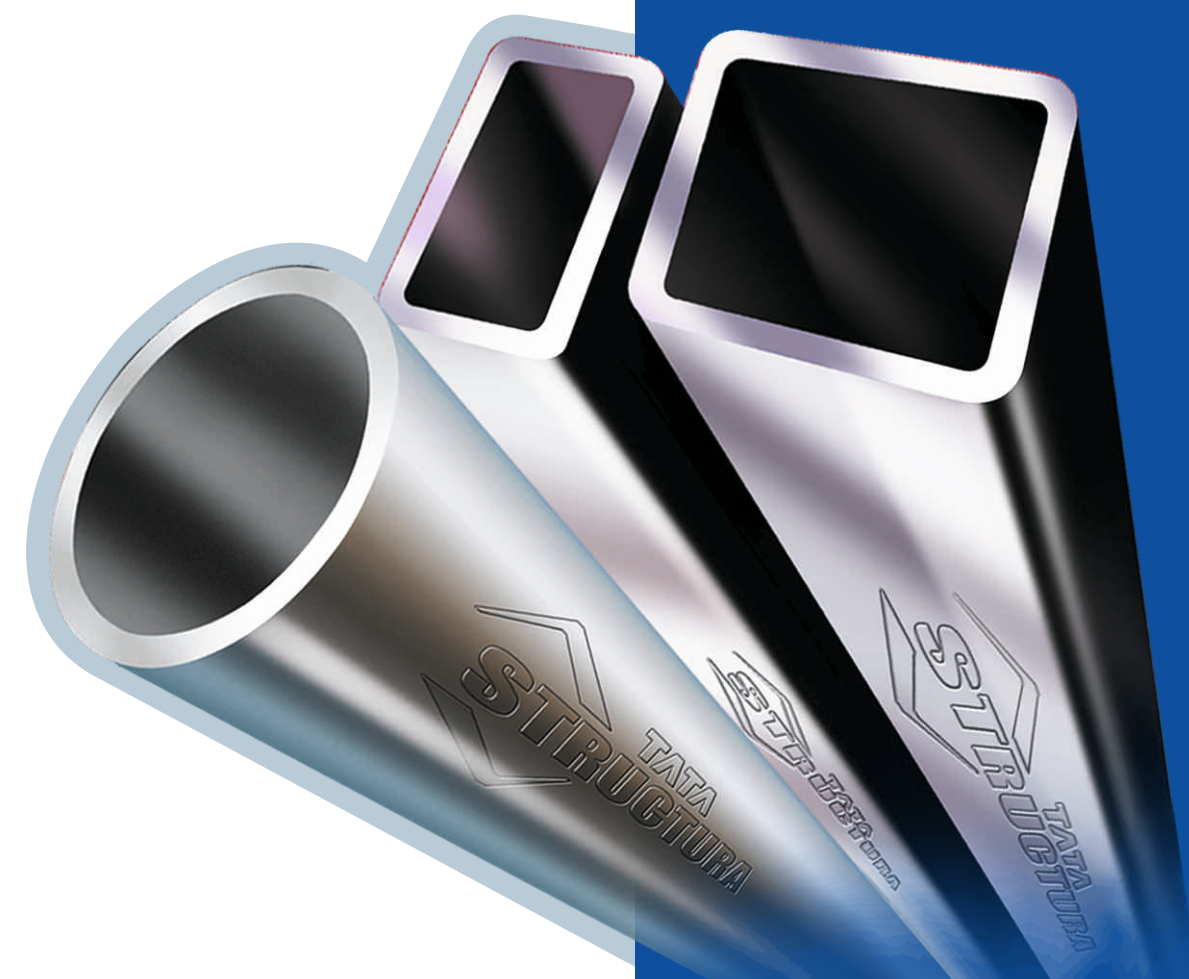
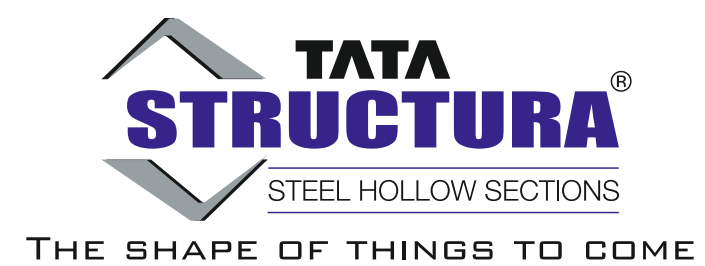


TATA STEEL

Rectangular, Square & Circular
Steel Hollow Sections
(YST 210) to meet your needs



A world of benefits
in structural tubes



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“We do not claim to be more unselfish, more generous or more philanthropic than other people. But we think we started on sound and straightforward business principles, considering the interests of the shareholders our own, and the health and welfare of the employees, the sure foundation of our success.”

- Jamsetji Nusserwanji Tata

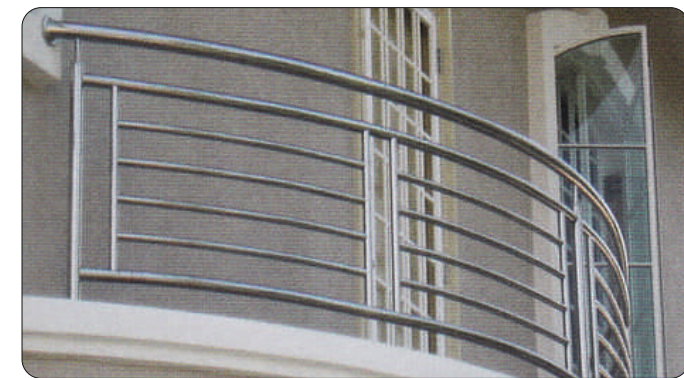
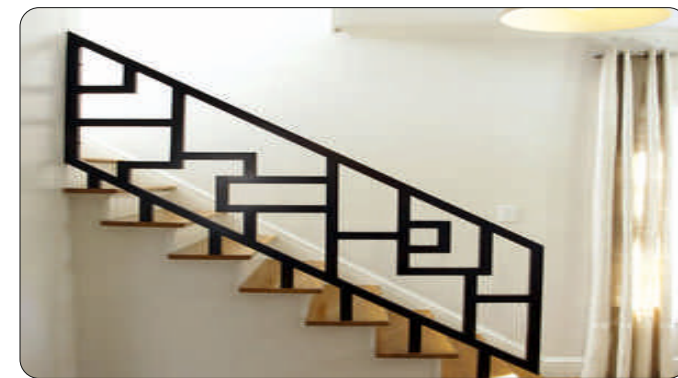


Tubes SBU- Structuring Value

Tata Steel 's Tubes SBU today is a leading manufacturer of welded pipes in the country having an installed capacity of over 5,00,000 MT per annum. Currently, Tubes SBU manufactures Structural, Conveyance, Automotive and Boiler Tubes at its plant in Jamshedpur and at some external processing agents (EPA). Tata Structura, the brand of Structural Tubes, conforms to IS:4923 and IS:1161 standards for square, rectangular and circular sections respectively.

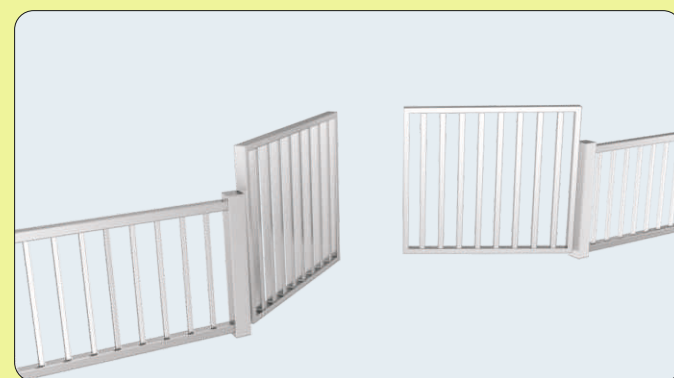
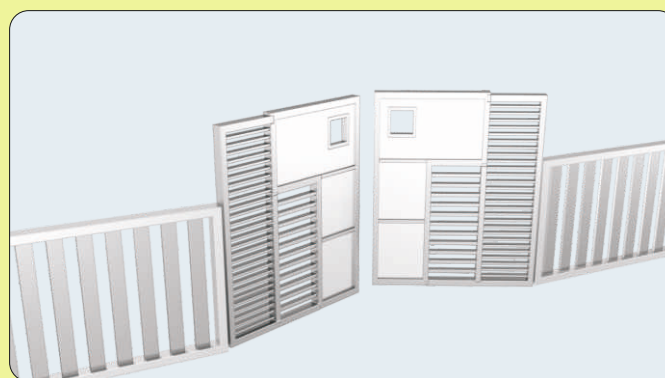
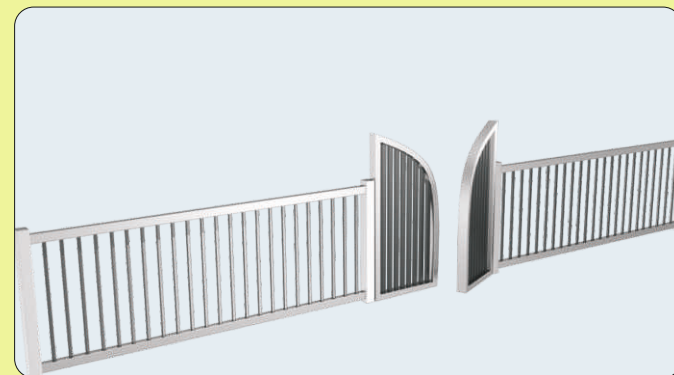
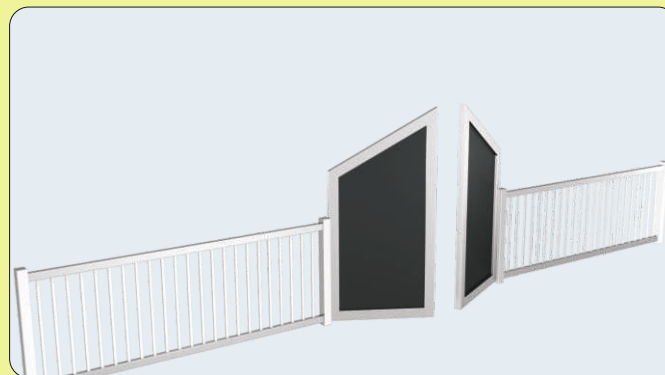


Other Applications





Gates



Total control over quality

Each and every tube manufactured at Tata Steel's state-of-the-art facility conforms to the highest quality standards. This is a result of superior manufacturing processes and stringent quality control at every step, which is part of Tata Steel's ISO 9000 quality management system.

Tests such as non destructive eddy current testing directly after welding, off-line, drift and flattening tests are part of the quality process and ensure standards that match the best.



Q
QUALITY
ABOVE ALL



Advantages that add up to greater value for you

a) Assured strength of tubes:

- Tata Structura is the only brand to give importance and maintain high yield strength of the tube which is a measure of how much load the tube can take.
- This is important to decide what size and thickness of tube to be used for any particular application.
- We give an assurance that all our tubes will have a minimum strength(yield) of 210 MPa.

b) Best suited for welding:

- All tubes need to be welded to make any structure (shed, gate, fence, grill, post etc)
- The quality of the weld and strength depends on the quality of the steel tube also.
- When welding two Tata Structura tubes by using a good electrode there will not be any welding cracks and it will be easy to weld.
- So it will be very convenient for the welders and fabricators to use Tata Structura tubes
- It will also save a lot of time while welding.

c) Easy to bend:

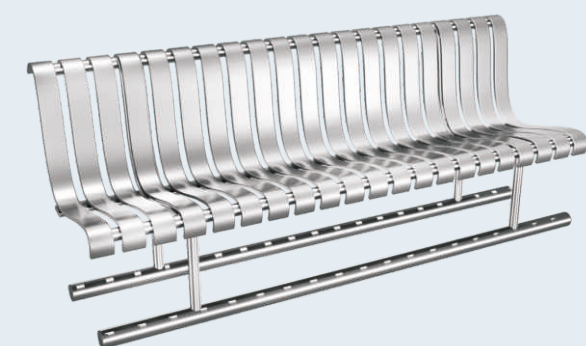
- Tata Structura tubes are easily bendable and they can be made in to any beautiful shape like a curve, arch etc.
- Tata Structura tubes don't get wrinkled or deformed during bending and so rework & wastage is minimal
- So it will take very less time and less labor to bend these tubes.

d) International quality raw material:

- Tata Structura tubes are manufactured by using High quality pure steel HR coils
- The HR Coils is also manufactured by Tata Steel by following international quality principles.

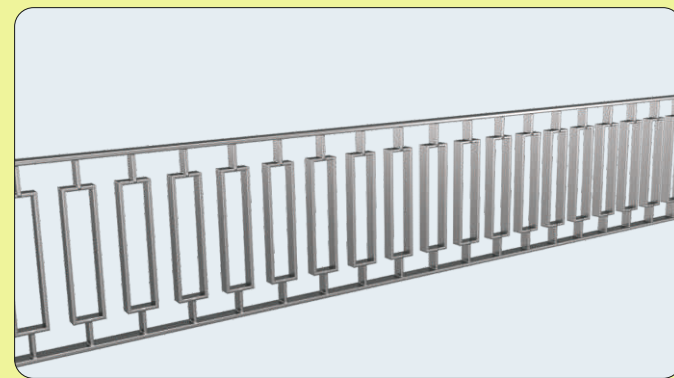
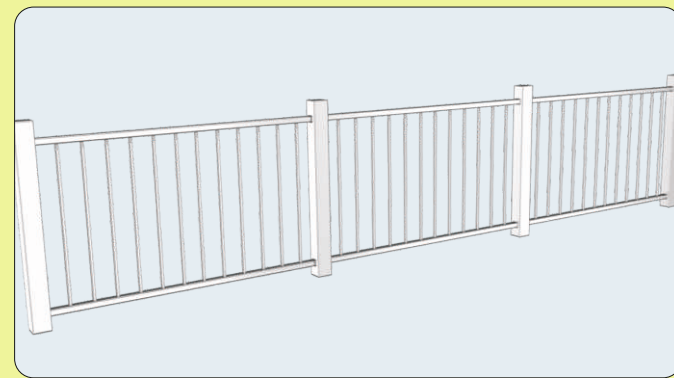
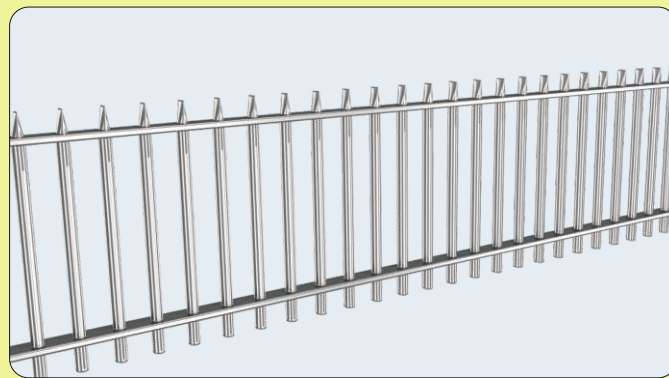


Furniture





Fencing



e) Superior quality controlled manufacturing(Value for money)

- All Tata Structura tubes are manufactured under a high quality controlled facility
- Each and every tube is scanned through a Non destructive scanner for any possible defects
- Each tube and every tube which reaches the market is free from any defect , especially in weld line which is a crucial part of the tube.



f) Manufactured as per Indian Standards

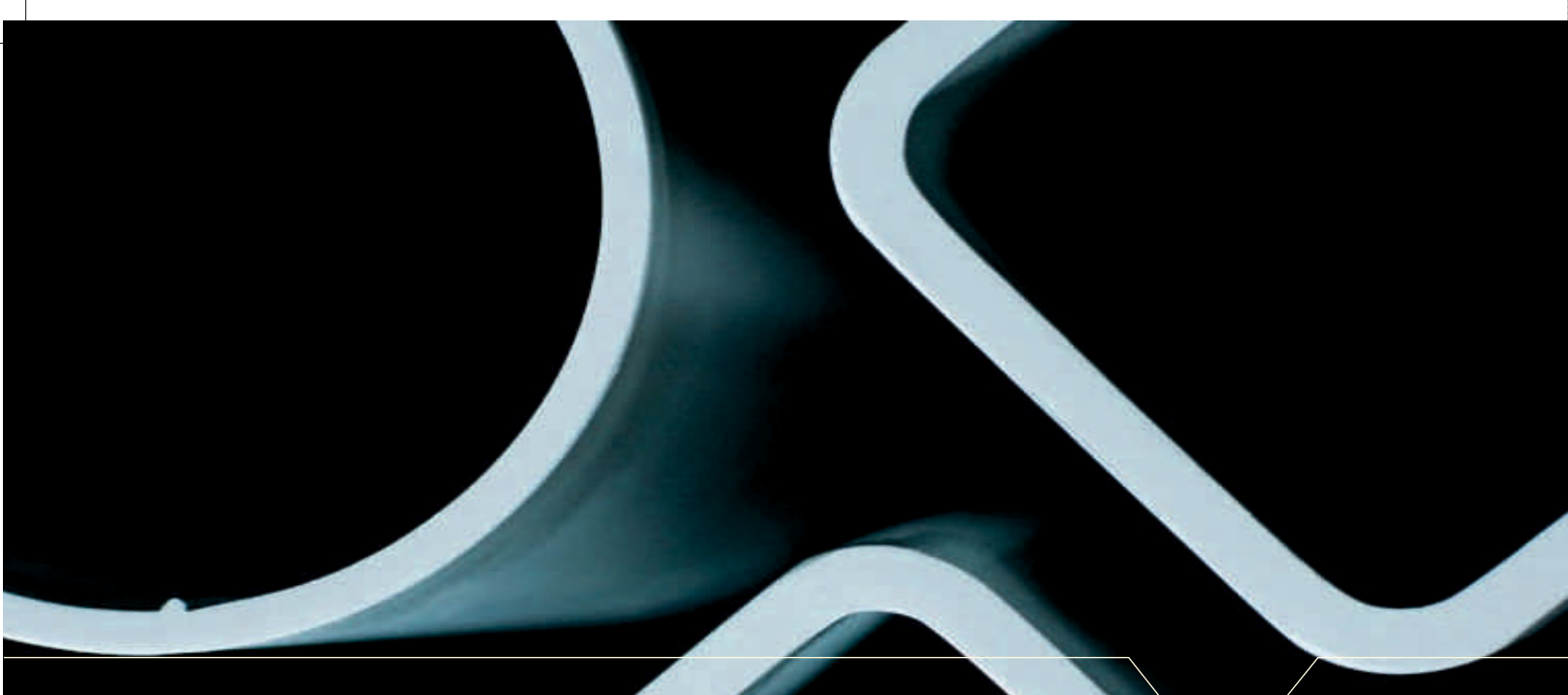
- Tata Structura tubes are manufactured as per corresponding Indian standards specification.
- IS 4923 - is the Indian standard which specifies the minimum quality requirement of square and rectangular steel tubes
- IS 3601 is the Indian standard which specifies the minimum quality requirement of circular steel tubes



g) Test Certificate

- For every lot of Tata Structura tubes a test certificate is provided.
- The test certificate is a proof that the material is manufactured as per Indian standards and it has passed all required quality tests.
- Test Certificate will be available at the dealer shop.





Weight of one tube in KG

210 YST

Product Group	Tube Size (mm)	Thickness (mm)					
		1.6	1.8	2	2.3	2.6	2.9
S Q U A R E	20 x 20	5.2	5.8	6.3	7.0		
	25 x 25	6.7	7.5	8.2	9.2		
	32 x 32	8.9	9.8	10.8	12.2		
	40 x 40	11.3	12.6	13.8	15.7	17.5	
	50 x 50	14.3	16.0	17.6	20.0	22.4	24.7
	60 x 60			21.4	24.4	27.3	30.2
	72 x 72			25.9		33.2	
R E C T A N G L E	40 x 20	8.2	9.2	10.1	11.4		
	50 x 25	10.5	11.7	12.9	14.6	16.3	
	60 x 40	14.3	16.0	17.6	20.0	22.4	24.7
	80 x 40	17.3	19.3	21.4	24.4	27.3	30.2
	96 x 48			25.9		33.2	
C I R C U L A R	25 NB	7.6	8.5	9.4	10.7		
	32 NB	9.7	10.8	12.0	13.6		
	40 NB	11.1	12.4	13.7	15.7	17.6	19.5
	50 NB	13.9	15.6	17.3	19.7	22.2	24.6
	65 NB			21.9	25.1	28.3	31.4
	80 NB			25.7		33.2	

Product parameters & features

Length	6 m , tolerance +/- 50 mm
End Finish	Plain Burr Free end
Surface Finish	Black surface finish without any treatment
Raw material	High Quality Hot Rolled (HR) coils of Tata Steel
Identification	Marking of "Tata Structura" emblem on all the tubes along with BIS mark
Specification	IS 3601 & IS 1161 for Circular , IS 4923 for Square & Rectangle tubes
Quantity	Weight tolerance +/-10 %

Applications

Roofing

