

# SMART TUBES SMART CHOICE



**SMART**  
STAINLESS TUBES PVT LTD

Mob.: +91 9830299722 / +91 9073990641

Email: [marketing@smarttubes.in](mailto:marketing@smarttubes.in)

Website: [www.smarttubes.in](http://www.smarttubes.in) / [www.smartstainlessstubes.com](http://www.smartstainlessstubes.com)

## Vision

: TO BECOME THE DEFINING STANDARD FOR STAINLESS STEEL ORNAMENTAL TUBING.

## About us

SMART Stainless Tubes Pvt. Ltd. is the latest venture of Mohta Group for manufacturing Stainless Steel Tubes for decorative/ornamental applications. Mohta group is an 85 years old business house having several manufacturing & service operations. The journey of hardship, mapped by a vision, has led us to an admirable position of Rs. 200 crore turnover with offices & assets in various cities. We have achieved a distinguished position in the marketplace due to our ability to innovate, capacity to adapt to the latest technologies, deliver quality products & customer responsiveness.

### WE ARE:

**Rotocast Industries Ltd.** ([www.rotocastgroup.com](http://www.rotocastgroup.com))

Steel shots & grits; Alloy Steel castings.

**K.R.Shrilaxmi Deals Pvt. Ltd.**

Plastic processing & Export of Engineering Goods

**Learning Spiral Pvt. Ltd.** ([www.learningspiral.co.in](http://www.learningspiral.co.in))

Examination & Recruitment services & Digital publishing BPO

### Some of our group's esteemed customers are:

SAIL, TISCO, TATA Motors, Hyundai, Hero Moto Corp, Ashok Leyland, Indian Railways, State Electricity Boards, Banaras Hindu University, Jama Mi

### Top Performing MOU Partner Of M/s Jindal Stainless 2017-2018 / 2018-2019 South East India



2017-2018



2018-2019

## Key Reasons to choose SMART

- Best Quality Raw Material From Jindal.
- Perfect Hardness for Easy of Bending.
- High Production Capacity.
- Excellent Accuracy in Weight / Length / Dimensions.
- Sufficient In-house Polishing Facility.
- Best Possible Polish - Super Mirror & Mat.
- Complete Size Range.
- Delivery in Small Quantity.
- Ready Stock.

## Quality Control



Flaring test > 20% of diameter



Flattening test 0° and 90°

### Destructive tests:

- Flaring test > 20% of diameter
- Flattening test 0° and 90°
- Reverse Bending Test

### For each production batch, we conduct

- Dimensional test.
- Surface roughness.



## Weight Chart & Size Range: Grade - AISI 200 & 300 Series

S.S. Round Tube Weight - Approximate Kgs. Per Meter <sup>1</sup>								Square & Rectangular Section
OD IN MM	Wall Thickness (in mm)							Dimension in mm
	0.50	0.60	0.70	0.80	0.95	1.15	1.45	
9.500	0.11	0.13	0.15	0.17	NM	NM	NM	
12.70	0.15	0.16	0.21	0.24	0.28	0.33	0.40	
15.88	0.19	0.23	0.26	0.30	0.35	0.42	0.52	12 X 12
19.05	0.23	0.28	0.32	0.36	0.43	0.51	0.63	15 X 15
25.40	0.30	0.37	0.43	0.49	0.58	0.69	0.86	20 X 20; 26 X 13; 33 X 13(O)
31.75	0.39	0.46	0.54	0.61	0.72	0.87	1.09	25 X 25, 40X10
38.10	0.46	0.56	0.65	0.74	0.87	1.05	1.05	40 X 20
50.80	0.62	0.75	0.87	0.99	1.17	1.42	1.77	40 X 40; 25 X 50
63.50	NM	0.93	1.09	1.24	1.47	1.78	2.23	75 X 25; 50 X 50
76.20	NM	1.13	1.31	1.50	1.77	2.14	2.69	80 X 40





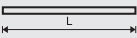
<sup>1</sup>Formula for weight calculation:  $\{(O/D(mm) - Wall\ Thickness(mm)) \times Wall\ Thickness(mm) \times 0.0248 = Kg/Mtr.$

**NM** = Not Manufactured by SMART Stainless Tubes Pvt. Ltd.

S.S. Curtain Tubes Weight - Approximate gms./Piece of 12 Feet				
Size	Wall Thickness (in mm)			
OD IN MM	0.30	0.35	0.43	0.60
18.90	510	590	720	1000
25.10	680	790	960	1330



## Dimensional Tolerances According to EN 10296-2/ASTM A554

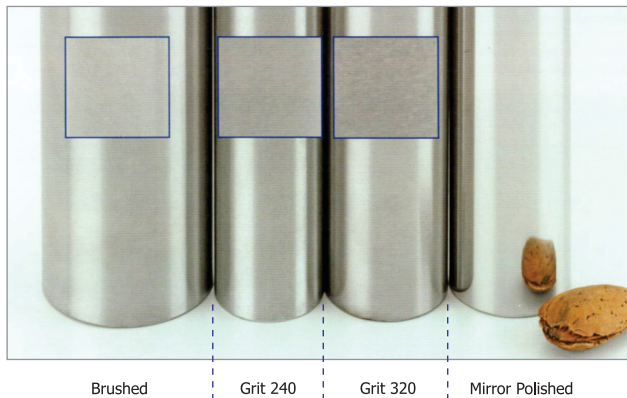
Characteristic	Tolerances for Thickness $\leq 2$ mm
Outside dimensions D 	+/- 0.75% of D, min. +/- 0.3mm
Thickness T 	+/- 10% of D, min. +/- 0.2mm
Out of roundness O 	Included in the tolerance of the diameter. Ovality is the difference between maximum & minimum outside diameters measured at any one cross section.
Straightness e 	0.20%
Length 	-0 +50 mm



## Surface finish

**SMART Tubes** has implemented surface finish tests and control processes to ensure best quality in all surface finishes and homogeneity in its polishing process controlling brightness and roughness in all tubes.

Surface Finish	Tolerances
Polish Grit 240	$0.8\mu \leq Ra \leq 1.4\mu$
Polish Grit 320	$0.8\mu \leq Ra \leq 1.4\mu$
Satin	$0.8\mu \leq Ra \leq 1.4\mu$
Mirror Polished	$Ra \leq 0.12\mu$ $Rt \leq 1.10\mu$ Brightness: Round Tubes: > 510 B.U. Square Tubes: > 530 B.U. Rectangular Tubes: > 530 B.U.
Nautic Mirror Polished	$Ra \leq 0.10\mu$ $Rt \leq 0.80\mu$ Brightness: Round Tubes: > 530 B.U. Square Tubes: > 560 B.U. Rectangular Tubes: > 560 B.U.



**SMART STAINLESS TUBES PVT LTD**

**Corporate office:**

3A, Auckland Place, 5th Floor, Kolkata - 700017, West Bengal, India  
Phone: +91 33 4012 4111, Mob.: +91 9830299722 / +91 9073990641  
Email: marketing@smarstubes.in  
Website: www.smarstubes.in / www.smarstainlessstubes.com