

SRMB®

SRMB SRIJAN PRIVATE LIMITED

An ISO 9001, ISO 14001 & ISO 45001 : 2018

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SRMB
REALFABRICA
STEEL HOLLOW SECTIONS

**SHAPE
YOUR
DREAMS**



PAWS
TECHNOLOGY

PHYSICAL PROPERTY
ACCURATE LENGTH
WELD - SUPERIOR
SUPERIOR SURFACE QUALITY

Rectangular
Hollow Sections

Square
Hollow Sections

Circular
Hollow Sections

Galvanized
Hollow Sections

SRMB TMT



CHAMPIONS KI PASAND



SRMB TMT



WINGRIP™
TECHNOLOGY

SRMB
REALEDGE
STEEL FOR GRILL

PROTECT YOUR HOME WITH BEAUTIFUL GRILLS



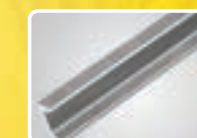
MS ANGLE



MS FLAT



MS SQUARE



GATE CHANNEL



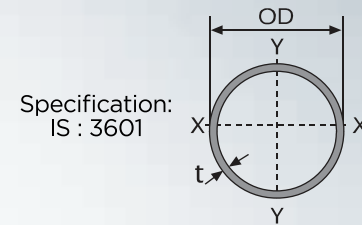
Z ANGLE





Circular Hollow Sections

Steel Tubes for Mechanical & General Engineering
Purpose as per IS:3601



Outside Diameter (OD)	Thickness	Mass	Area of Cross-Section	Moment of Inertia	Modulus of Section	Radius of Gyration
(mm)	(mm)	kg/m	cm ²	cm ⁴	cm ³	cm
60.3	2.30	3.29	4.19	17.65	5.85	2.05
	2.60	3.70	4.71	19.64	6.51	2.04
	2.90	4.11	5.23	21.59	7.16	2.03
	3.20	4.51	5.74	23.47	7.78	2.02
	3.60	5.03	6.41	25.87	8.58	2.01
	4.00	5.55	7.07	28.15	9.34	2.00
	4.50	6.19	7.89	30.90	10.20	1.98
76.1	2.60	5.24	6.00	40.57	10.66	2.60
	2.90	5.75	6.67	44.74	11.76	2.59
	3.20	6.44	7.33	48.78	12.80	2.58
	3.60	7.11	8.20	54.01	14.20	2.57
	4.50	7.95	10.10	65.12	17.10	2.54
	5.00	8.77	11.16	70.87	18.63	2.52
	5.40	9.42	11.90	75.40	19.80	2.52
88.9	2.90	6.15	7.83	72.47	16.30	3.04
	3.20	6.76	8.62	79.21	17.80	3.03
	4.00	8.38	10.70	96.34	21.70	3.00
	5.00	10.30	13.20	116.40	26.20	2.97

MECHANICAL PROPERTIES OF CIRCULAR HOLLOW SECTIONS

Tube Designation	Min Tensile Strength	Yield Stress	Elongation upto 33.7 mm OD	Elongation more than 33.7 mm OD	Outside Diameter	Thickness
	Mpa	Min	%	%	mm	mm
WT 160	310	160	15.0	22.0	As per Specification	As per Specification
WT 210	330	210	12.0	20.0		
WT 240	410	240	10.0	15.0		
WT 310	450	310	6.0	10.0		



Director's Message

SRMB Srijan Private Ltd is an IMS certified seven decades-old Primary Steel Producer company (classified by the Joint Plant Committee under ministry of steel). The seed of the idea that our founder late Radha Kishorji Beriwalaw sowed in 1951 turned into a huge tree today.

Since its inception, we have had a penchant for being innovative. SRMB is the first TMT manufacturer in India to receive TEMPCORE license from CRM Belgium. We are the pioneer of the "X" rib design on TMT bars. We have also pioneered the WINGRIP rib design for TMT bars, which is a result of the group's constant zeal to improve the existing designs for adding more value to the products. In 2013 we launched grill products under the brand name SRMB REAL EDGE.

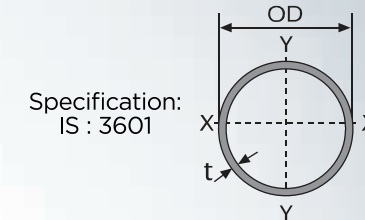
Now SRMB has forayed into its new venture and is introducing new range of products - SRMB REALFABRICA to make hollow section structural tubes. Our goal is to provide our consumers with 360-degree solutions right from design to fabrication.

Ashish Beriwalaw
Director
SRMB Srijan Private Limited

About SRMB:

SRMB Srijan Private Limited is an IMS (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018) certified six decades-old Primary Steel Producer (classified by Joint Plant Committee under Ministry of Steel). We manufacture TMT bars, CRS TMT Bars & Structural items with a turnover of more than 3000 crore per annum. The SRMB group has a modern integrated steel plant at Durgapur (West Bengal) that manufactures steel semis (billets) from iron ore. This captive raw material (billets) is used to produce TMT Bars and structural steel in the state-of-the-art finished steel production units in the same plant. SRMB's manufacturing units are equipped with all kinds of modern infrastructure, including digital universal testing machine and spectrometer, for quality control and testing purposes.

SRMB is now pleased to introduce new age Structural Pipes under the brand name SRMB REALFABRICA conforming to IS:1161, IS:4923 and IS: 3601 standards for Square, Rectangular and Circular sections respectively. SRMB REALFABRICA is manufactured at state of the art manufacturing plant with high precision rolling and welding. We have testing facilities including Digital Universal Testing machine and Spectrometer. SRMB REALFABRICA can be manufactured up to a maximum size of 91.5x91.5 for square sections, 96x48 for rectangular sections and 80 mm NB / 89 mm OD circular sections. The thickness can vary from 1.4 mm to 5.4 mm.



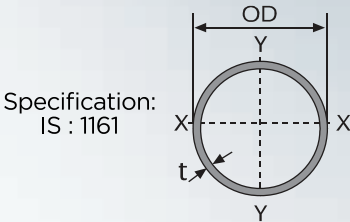
Circular Hollow Sections

Steel Tubes for Mechanical & General Engineering
Purpose as per IS:3601

Outside Diameter (OD)	Thickness	Mass	Area of Cross-Section	Moment of Inertia	Modulus of Section	Radius of Gyration
(mm)	(mm)	kg/m	cm ²	cm ⁴	cm ³	cm
21.3	1.80	0.87	1.10	0.53	0.50	0.69
	2.00	0.95	1.21	0.57	0.54	0.69
	2.60	1.20	1.53	0.68	0.64	0.67
	3.20	1.43	1.82	0.77	0.72	0.65
26.9	1.80	1.11	1.42	1.12	0.83	0.89
	2.00	1.23	1.56	1.22	0.91	0.88
	2.30	1.40	1.78	1.36	1.01	0.87
	2.60	1.56	1.98	1.48	1.10	0.86
	3.20	1.87	2.38	1.70	1.27	0.85
33.7	2.00	1.56	1.99	2.51	1.49	1.12
	2.30	1.78	2.27	2.81	1.67	1.11
	2.60	1.99	2.54	3.09	1.84	1.10
	3.20	2.41	3.07	3.60	2.14	1.08
	4.00	2.93	3.73	4.19	2.49	1.06
42.4	2.30	2.27	2.90	5.85	2.76	1.42
	2.60	2.55	3.25	6.46	3.05	1.41
	3.20	3.09	3.94	7.62	3.59	1.39
	3.60	3.44	4.39	8.33	3.93	1.38
	4.00	3.79	4.83	8.90	4.24	1.36
48.3	2.30	2.61	3.32	8.80	3.64	1.63
	2.60	2.93	3.73	9.77	4.05	1.62
	2.90	3.25	4.14	10.70	4.43	1.61
48.3	3.20	3.56	4.53	11.59	4.80	1.60
	3.60	3.97	5.05	12.69	5.25	1.59
	4.00	4.37	5.57	13.77	5.70	1.57

Circular Hollow Sections

STEEL TUBES FOR STRUCTURAL USE AS PER IS:1161



N B	Outside	Thickness	Nominal Weight Black		Outer Surface Area /m	Area of Cross Section	Moment of Inertia	Section Modulus	Radius of Gyration
	Diameter		Tubes Plain End						
(mm)	(mm)	(mm)	(Kg/m)	(m/ton)	cm²/m	cm²	cm⁴	cm³	cm
15	21.3	2.0	0.947	1058	669	1.21	0.57	0.54	0.69
(1/2")	-	2.6	1.21	826	669	1.53	0.69	0.64	0.66
	-	3.2	1.44	694	669	1.82	0.75	0.70	0.65
20	26.9	2.3	1.38	725	845	1.78	1.36	1.01	0.87
(3/4")	-	2.6	1.56	641	845	1.98	1.48	1.10	0.86
	-	3.2	1.87	535	845	2.38	1.70	1.26	0.84
25	33.7	2.6	1.98	505	1059	2.54	3.09	1.83	1.10
(1")	-	3.2	2.41	415	1059	3.06	3.61	2.14	1.08
	-	4.0	2.93	341	1059	3.73	4.19	2.48	1.05
32	42.4	2.6	2.54	394	1332	3.25	6.47	3.05	1.41
(1 1/4")	-	3.2	3.10	323	1332	3.94	7.62	3.59	1.39
	-	4.0	3.79	264	1322	4.82	8.99	4.24	1.36
40	48.3	2.9	3.23	310	1517	4.13	10.70	4.43	1.61
(1 1/2")	-	3.2	3.56	281	1517	4.53	11.59	4.80	1.59
	-	4.0	4.37	229	1517	5.56	13.77	5.70	1.57
50	60.3	2.9	4.08	245	1895	5.23	21.59	7.16	2.03
(2")	-	3.6	5.03	199	1895	6.41	25.88	8.59	2.00
	-	4.5	6.19	162	1895	7.88	30.90	10.20	1.98
65	76.1	3.2	5.71	175	2391	7.32	48.70	12.82	2.58
(2 1/2")	-	3.6	6.42	156	2391	8.20	54.02	14.20	2.57
	-	4.5	7.93	126	2391	10.10	65.12	17.10	2.54
80	88.9	3.2	6.72	149	2793	8.61	79.23	17.82	3.03
(3")	-	4.0	8.36	120	2793	10.70	96.36	21.68	3
	-	4.8	9.90	101	2793	12.70	112.52	25.31	2.98

Product Portfolio of SRMB REALFABRICA

Born of innovation and cutting-edge technology, SRMB REALFABRICA Steel Hollow Sections come in three types: Square, Circular and Rectangular. All-rounders with their applications in architectural, industrial, engineering, and infrastructural fields, these ISO certified structural steel hollow section pipes are truly gamechangers. Super strong, durable and yet, light-weight, SRMB REALFABRICA Steel Hollow Sections are the preferred choice when it comes to design flexibility as well as fabrication.

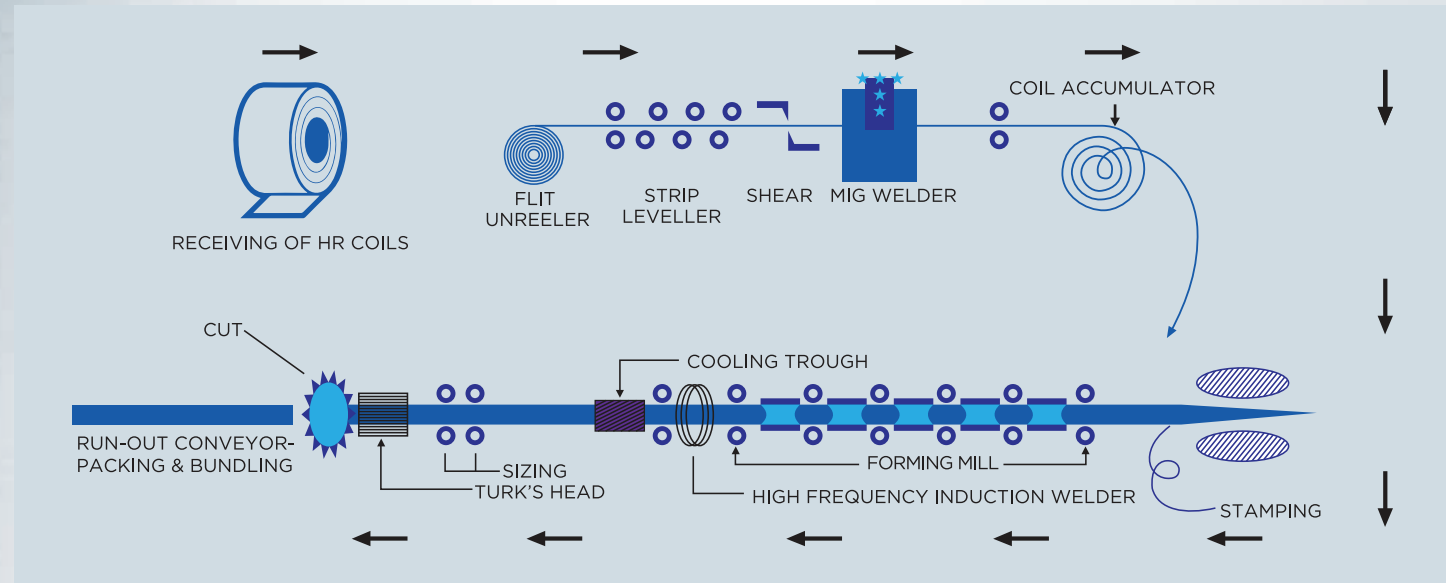


Product Range:

- Size Range : CHS - 15 mm NB to 80 mm NB
SHS - 20 mm x 20 mm to 91.5 mm x 91.5 mm
RHS - 40 mm x 20 mm to 96 mm x 48 mm
- Surface Condition : Black ■ Grade Range : Yst 210, Yst 240 and above
- Length : 6 mtr. to 7 mtr.



Manufacturing Process



Universal Testing Machine

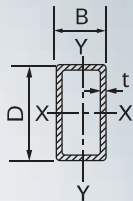


Spectrometer

Rectangular Hollow Sections

Structural Applications Conforming to IS:4923

Specification:
IS : 4923



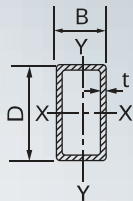
Depth D (mm)	Width B (mm)	Thickness (mm)	Moment of Inertia (cm ⁴)		Elastic Modulus (cm ³)		Plastic Modulus (cm ³)		Radius of Gyration (cm)		Area (cm ²)	Weight (kg/m)	Mtrs/M.T
			X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis			
70	30	4.0	37.22	9.42	10.64	6.28	14.19	7.66	2.31	1.16	6.95	5.45	183.37
70	30	4.3	38.91	9.78	11.12	6.52	14.95	8.04	2.30	1.15	7.38	5.80	172.53
70	30	4.5	39.95	10.01	11.41	6.67	15.43	8.29	2.28	1.14	7.67	6.02	166.14
80	40	2.5	45.1	15.26	11.28	7.63	14.14	8.72	2.84	1.65	5.59	4.39	227.94
80	40	2.8	49.46	16.66	12.36	8.33	15.60	9.60	2.82	1.64	6.2	4.87	205.33
80	40	3.0	52.25	17.55	13.06	8.78	16.54	10.16	2.81	1.63	6.61	5.19	192.79
80	40	3.2	54.94	18.41	13.73	9.21	17.46	10.71	2.80	1.62	7.01	5.50	181.82
80	40	3.6	60.04	20.02	15.01	10.01	19.23	11.77	2.78	1.60	7.79	6.11	163.59
80	40	4.0	64.78	21.42	16.20	10.74	20.91	12.77	2.75	1.59	8.55	6.71	149.04
80	40	4.3	68.11	22.50	17.03	11.25	22.11	13.49	2.74	1.57	9.10	7.15	139.94
80	40	4.5	70.21	23.14	17.55	11.57	22.89	13.94	2.72	1.56	9.47	7.43	134.55
96	48	3.2	98.60	33.28	20.54	13.87	25.85	15.91	3.40	1.97	8.54	6.71	149.13
96	48	3.6	108.34	36.40	22.57	15.17	28.58	17.56	3.37	1.96	9.52	7.47	133.88
96	48	4.0	117.53	39.32	24.49	16.38	31.20	19.14	3.35	1.94	10.47	8.22	121.70
96	48	4.3	124.08	41.37	25.85	17.24	33.10	20.27	3.33	1.92	11.17	8.77	114.07
96	48	4.5	128.28	42.68	26.73	17.78	34.33	21.01	3.32	1.92	11.63	9.13	109.56

AVAILABLE PRODUCT RANGE AS PER IS: 4923																
SIZE (MM)	THICKNESS (MM)															
RHS	1.0	1.2	1.4	1.6	1.8	2.0	2.3	2.5	2.8	3.0	3.2	3.5	3.6	4.0	4.3	4.5
40x20																
50x25																
60x40																
66x33																
70x30																
80x40																
96x48																

Rectangular Hollow Sections

Structural Applications Conforming to IS:4923

Specification:
IS : 4923



Depth D (mm)	Width B (mm)	Thickness (mm)	Moment of Inertia (cm ⁴)		Elastic Modulus (cm ³)		Plastic Modulus (cm ³)		Radius of Gyration (cm)		Area (cm ²)	Weight (kg/m)	Mtrs/M.T
			X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis			
50	25	1.8	7.72	2.60	3.09	2.08	3.90	2.40	1.76	1.02	2.49	1.95	512.26
50	25	2.0	8.38	2.81	3.35	2.25	4.26	2.62	1.75	1.01	2.74	2.15	465.47
50	25	2.3	9.31	3.10	3.72	2.48	4.78	2.92	1.73	1.00	3.10	2.44	410.68
50	25	2.5	9.89	3.28	3.95	2.62	5.10	3.12	1.72	0.99	3.34	2.62	381.55
50	25	2.8	10.68	3.52	4.27	2.82	5.57	3.39	1.70	0.98	3.68	2.89	345.78
50	25	3.0	11.17	3.67	4.47	2.93	5.86	3.56	1.69	0.97	3.91	3.07	325.99
50	25	3.2	11.63	3.80	4.65	3.04	6.14	3.73	1.68	0.96	4.13	3.24	308.73
50	25	3.6	12.44	4.04	4.98	3.23	6.66	4.03	1.65	0.94	4.55	3.57	280.15
60	40	1.8	16.85	9.01	5.62	4.50	6.81	5.15	2.23	1.63	3.39	2.66	376.13
60	40	2.0	18.41	9.83	6.14	4.92	7.47	5.65	2.22	1.62	3.74	2.93	340.90
60	40	2.3	20.65	11.00	6.88	5.50	8.43	6.38	2.20	1.61	4.25	3.34	299.60
60	40	2.5	22.07	11.74	7.36	5.87	9.06	6.84	2.19	1.60	4.59	3.60	277.61
60	40	2.8	24.10	12.78	8.03	6.39	9.95	7.51	2.18	1.59	5.08	3.99	250.56
60	40	3.0	25.38	13.44	8.46	6.72	10.53	7.94	2.17	1.58	5.41	4.25	235.56
60	40	3.2	26.60	14.07	8.87	7.03	11.09	8.36	2.16	1.57	5.73	4.50	222.47
60	40	3.6	28.90	15.23	9.63	7.62	12.16	9.15	2.13	1.55	6.35	4.98	200.70
66	33	1.8	18.64	6.33	5.65	3.84	7.04	4.35	2.36	1.37	3.35	2.63	380.17
66	33	2.0	20.37	6.90	6.17	4.18	7.73	4.77	2.35	1.37	3.70	2.90	344.59
66	33	2.3	22.83	7.69	6.92	4.66	8.73	5.37	2.33	1.35	4.21	3.30	302.88
66	33	2.5	24.39	8.19	7.39	4.97	9.37	5.75	2.32	1.34	4.54	3.56	280.67
66	33	2.8	26.62	8.90	8.07	5.39	10.29	6.31	2.30	1.33	5.03	3.95	253.35
66	33	3.0	28.02	9.34	8.49	5.66	10.88	6.66	2.29	1.32	5.35	4.20	238.21
66	33	3.2	29.36	9.75	8.90	5.91	11.46	7.01	2.28	1.31	5.66	4.44	224.98
66	33	3.6	31.87	10.52	9.66	6.37	12.56	7.65	2.25	1.29	6.28	4.93	203.00
70	30	2.5	26.62	6.95	7.60	4.63	9.79	5.36	2.41	1.23	4.59	3.60	277.61
70	30	2.8	29.04	7.53	8.30	5.02	10.75	5.87	2.39	1.22	5.08	3.99	250.56
70	30	3.0	30.57	7.90	8.73	5.26	11.37	6.20	2.38	1.21	5.41	4.25	235.56
70	30	3.2	32.03	8.24	9.15	5.49	11.98	6.51	2.37	1.20	5.73	4.50	222.47
70	30	3.6	34.76	8.87	9.93	5.91	13.12	7.11	2.34	1.18	6.35	4.98	200.70

Manufacturing Capabilities

■ Line Speed 50 rpm ■ CF ERW



Quality Benchmark

- Raw Material: Rolled from HR Coil to ensure precision & controlled chemistry as per IS:10748
- End Condition: 90° Plain End
- Length: Accurate length as per customer requirements
- Product Standard: IS:1161, IS:4923 and IS:3601
- Certification & Approval: Integrated Management System (IMS) comprising of ISO:9001, ISO:14001, ISO:45001
- Quality Control: Superior & Strict Quality Management standards of production enables batch to batch consistency & establishes superior quality hollow sections



The PAWS Technology
of SRMB REALFABRICA

Excellent Uniform
Physical Properties



Accurate &
Advantageous
size and length



Superior
Weld



Better
Surface quality
& strength



Features of SRMB REALFABRICA

Precision
Quality

Smooth
Ends

Superb
Finish

Corrosion
Resistant

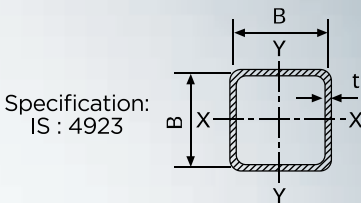


Properly
Straightened

Uniform
Thickness

Cost
Efficient

Proper
Dimension



Square Hollow Sections

Structural Applications Conforming to IS:4923

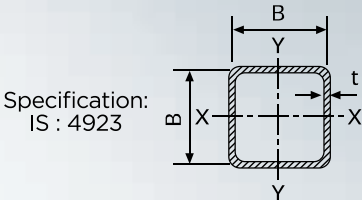
Size	Thickness	Moment of Inertia		Elastic Modulus		Plastic Modulus		Radius of Gyration		Area	Weight	Mtrs/M.T
(BxB) mm	(mm)	(cm ⁴)		(cm ³)		(cm ³)		(cm)		(cm ²)	(kg/m)	
		X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis			
80x80	2.5	75.14	75.14	18.79	18.79	21.89	21.89	3.15	3.15	7.59	5.96	167.86
80x80	2.6	77.74	77.74	19.44	19.44	22.68	22.68	3.14	3.14	7.88	6.18	161.76
80x80	2.9	85.36	85.36	21.34	21.34	25.01	25.01	3.13	3.13	8.73	6.85	145.98
80x80	3.0	87.74	87.74	21.96	21.96	25.78	25.78	3.12	3.12	9.01	7.07	141.42
80x80	3.2	92.71	92.71	23.18	23.18	27.29	27.29	3.11	3.11	9.57	7.51	133.17
80x80	3.6	102.1	102.1	25.53	25.53	30.23	30.23	3.09	3.09	10.67	8.37	119.42
80x80	4.0	111.04	111.04	27.76	27.76	33.07	33.07	3.07	3.07	11.75	9.22	108.44
80x80	4.3	117.44	117.44	29.36	29.36	35.13	35.13	3.06	3.06	12.54	9.85	101.56
80x80	4.5	121.57	121.57	30.39	30.39	36.48	36.48	3.05	3.05	13.07	10.26	97.48
80x80	4.8	127.57	127.57	31.89	31.89	38.45	38.45	3.04	3.04	13.84	10.87	92.02
91.5x91.5	2.5	114.28	114.28	24.98	24.98	28.98	28.98	3.62	3.62	8.74	6.86	145.77
91.5x91.5	2.6	118.32	118.32	25.86	25.86	30.04	30.04	3.61	3.61	9.07	7.12	140.43
91.5x91.5	2.9	130.18	130.18	28.45	28.45	33.18	33.18	3.6	3.6	10.06	7.9	126.62
91.5x91.5	3.0	134.05	134.05	29.3	29.3	34.21	34.21	3.59	3.59	10.39	8.15	122.63
91.5x91.5	3.2	141.68	141.68	30.97	30.97	36.25	36.25	3.58	3.58	11.04	8.66	115.41
91.5x91.5	3.6	156.48	156.48	34.2	34.2	40.24	40.24	3.56	3.56	12.32	9.67	103.37
91.5x91.5	4.0	170.67	170.67	37.31	37.31	44.11	44.11	3.54	3.54	13.59	10.67	93.76
91.5x91.5	4.3	180.92	180.92	39.54	39.54	46.94	46.94	3.53	3.53	14.52	11.4	87.72
91.5x91.5	4.5	187.56	187.56	41	41	48.79	48.79	3.52	3.52	15.14	11.88	84.15
91.5x91.5	4.8	197.25	197.25	43.12	43.12	51.51	51.51	3.51	3.51	16.05	12.6	79.36

AVAILABLE PRODUCT RANGE AS PER IS:4923														
SECTIONS SIZE (MM)	THICKNESS (MM)													
SHS	1.0	1.4	1.80	2.00	2.20	2.50	2.60	2.90	3.20	3.60	4.00	4.30	4.50	4.80
20x20														
25x25														
32x32														
38x38														
40x40														
49.5x49.5														
60x60														
65x65														
72x72														
80x80														
91.5x91.5														



Square Hollow Sections

Structural Applications Conforming to IS:4923



Size (BxB) mm	Thickness (mm)	Moment of Inertia (cm ⁴)		Elastic Modulus (cm ³)		Plastic Modulus (cm ³)		Radius of Gyration (cm)		Area (cm ²)	Weight (kg/m)	Mtrs/M.T
		X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis			
49.5x49.5	1.8	12.54	12.54	5.07	5.07	5.94	5.94	1.93	1.93	3.35	2.63	380.17
49.5x49.5	2.0	13.7	13.7	5.54	5.54	6.52	6.52	1.93	1.93	3.7	2.9	344.59
49.5x49.5	2.3	15.36	15.36	6.2	6.2	7.36	7.36	1.91	1.91	4.21	3.3	302.88
49.5x49.5	2.6	16.91	16.91	6.83	6.83	8.16	8.16	1.9	1.9	4.7	3.69	270.86
49.5x49.5	3.0	18.84	18.84	7.61	7.61	9.18	9.18	1.88	1.88	5.35	4.2	238.21
49.5x49.5	3.2	19.74	19.74	7.97	7.97	9.67	9.67	1.87	1.87	5.66	4.44	224.98
49.5x49.5	3.6	21.42	21.42	8.65	8.65	10.6	10.6	1.85	1.85	6.28	4.93	203.00
60x60	2.5	30.34	30.34	10.11	10.11	11.93	11.93	2.33	2.33	5.59	4.39	227.94
60x60	2.6	31.33	31.33	10.44	10.44	12.34	12.34	2.33	2.33	5.8	4.55	219.82
60x60	2.9	34.21	34.21	11.4	11.4	13.56	13.56	2.31	2.31	6.41	5.03	198.84
60x60	3.0	35.13	35.13	11.71	11.71	13.95	13.95	2.31	2.31	6.61	5.19	192.79
60x60	3.2	36.94	36.94	12.31	12.31	14.73	14.73	2.3	2.3	7.01	5.5	181.82
60x60	3.6	40.36	40.36	13.45	13.45	16.22	16.22	2.28	2.28	7.79	6.11	163.59
60x60	4.0	43.55	43.55	14.52	14.52	17.64	17.64	2.26	2.26	8.55	6.71	149.04
60x60	4.3	45.78	45.78	15.26	15.26	18.66	18.66	2.24	2.24	9.1	7.15	139.94
60x60	4.5	47.2	47.2	15.73	15.73	19.31	19.31	2.23	2.23	9.47	7.43	134.55
60x60	4.8	49.21	49.21	16.4	16.4	20.27	20.27	2.22	2.22	10	7.85	127.34
72x72	2.5	53.99	53.99	15	15	17.55	17.55	2.82	2.82	6.79	5.33	187.65
72x72	2.6	55.82	55.82	15.51	15.51	18.17	18.17	2.82	2.82	7.04	5.53	180.87
72x72	2.9	61.18	61.18	16.99	16.99	20.01	20.01	2.8	2.8	7.8	6.12	163.35
72x72	3.0	62.91	62.91	17.48	17.48	20.62	20.62	2.8	2.8	8.05	6.32	158.29
72x72	3.2	66.32	66.32	18.42	18.42	21.80	21.80	2.79	2.79	8.54	6.71	149.13
72x72	3.6	72.85	72.85	20.24	20.24	24.11	24.11	2.77	2.77	9.52	7.47	133.88
72x72	4.0	79.02	79.02	21.95	21.95	26.32	26.32	2.75	2.75	10.47	8.22	121.70
72x72	4.3	83.41	83.41	23.17	23.17	27.92	27.92	2.73	2.73	11.17	8.77	114.07
72x72	4.5	86.23	86.23	23.95	23.95	28.96	28.96	2.72	2.72	11.63	9.13	109.56
72x72	4.8	90.3	90.3	25.08	25.08	30.48	30.48	2.71	2.71	12.31	9.66	103.50

Physical Properties & Dimensional Tolerances of SRMB REALFABRICA

Type	Grade	Mechanical Properties (Min.)				Dimensional Tolerance					
		YST MPa	UTS MPa	% of Elongation		Outside dimension	Thickness	Squareness	Corner radius	Weight	
RHS/SHS IS : 4923	YST 210	210	330	< 25.4 mm	> 25.4 mm	+/-1% with a minimum of +/-0.50 mm	+/-10%	90 deg. +/-2 deg.	3t max	10% -8%	+/-7.5%
	YST 240	240	410	10	15						
CHS IS : 1161	YST 210	210	330	12	20	OD upto and incl 48.3=0.4/ -0.8mm. Over 48.3 mm +/-1.0%	+ no limit -10%	NA	NA	+/- 10.0%	+/- 7.5%
	YST 240	240	410	12	17						

* Higher grades are also manufactured

Surface Finish	Black without any surface treatment of oiling or vernishing
End Finish	Plain Ended hollow sections finished with End Facing machine
Straightness	Reasonably Straight (mill straightened condition) unless otherwise stated
Weldability	SRMB REALFABRICA are weldable with available MS Electrodes without any preheating
Packing	Each bundles are strapped with high tensile metal strip
Identification	Each individual hollow sections are embossed with SRMB, ISI Logo Specification No

*Conditions apply.



Applications of SRMB REALFABRICA:

SRMB REALFABRICA has multiple applications ranging from Industrial, Architectural, Infrastructural, General Engineering, Steel Industry, Solar Industry, Scaffoldings etc.

Structural Applications for Hollow Sections as Per IS : 1161, IS : 4923 & IS : 3601

The applications of SRMB REALFABRICA has been classified under the following segments:

Architectural | Industrial | General Engineering | Infrastructural

Architectural

Applications

- Glass Curtain Wall Frames
- Partition Frames
- Space Frames
- Guard Rails & Staircases



Industrial

Applications

- Industrial Shed
- Material Storage Racks
- Pallets
- Pipe Racks
- Columns & Trusses
- Roof Support System

General Engineering

Applications

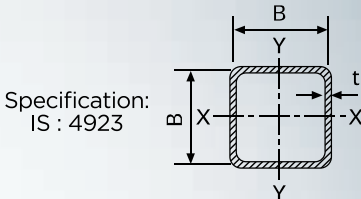
- Amusement Park
- Green Houses
- Exhibition Stalls
- Furniture
- Solar Power Plant Structures



Infrastructural

Applications

- Bus Stand
- Railway Platforms
- Foot Over Bridge
- Stadium
- Airport Terminals



Square Hollow Sections

Structural Applications Conforming to IS:4923

Size	Thickness	Moment of Inertia		Elastic Modulus		Plastic Modulus		Radius of Gyration		Area	Weight	Mtrs/M.T
(BxB) mm	(mm)	(cm ⁴)		(cm ³)		(cm ³)		(cm)		(cm ²)	(kg/m)	
		X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis	X-X Axis	Y-Y Axis			
25x25	1.8	1.38	1.38	1.11	1.11	1.35	1.35	0.93	0.93	1.59	1.25	802.8
25x25	2.0	1.48	1.48	1.19	1.19	1.47	1.47	0.92	0.92	1.74	1.36	733.47
25x25	2.3	1.61	1.61	1.29	1.29	1.62	1.62	0.91	0.91	1.95	1.53	652.63
25x25	2.6	1.72	1.72	1.38	1.38	1.76	1.76	0.89	0.89	2.16	1.69	591.08
25x25	3.0	1.84	1.84	1.47	1.47	1.91	1.91	0.87	0.87	2.41	1.89	529.07
25x25	3.2	1.89	1.89	1.51	1.51	1.98	1.98	0.86	0.86	2.53	1.98	504.27
25x25	3.6	1.96	1.96	1.56	1.56	2.1	2.1	0.84	0.84	2.75	2.16	463.7
32x32	1.8	3.11	3.11	1.95	1.95	2.33	2.33	1.22	1.22	2.09	1.64	609.28
32x32	2.0	3.36	3.36	2.1	2.1	2.54	2.54	1.21	1.21	2.3	1.8	554.63
32x32	2.3	3.71	3.71	2.32	2.32	2.84	2.84	1.2	1.2	2.6	2.04	490.73
32x32	2.6	4.02	4.02	2.51	2.51	3.11	3.11	1.18	1.18	2.88	2.26	441.83
32x32	3.0	4.38	4.38	2.74	2.74	3.44	3.44	1.16	1.16	3.25	2.55	392.23
32x32	3.2	4.54	4.54	2.83	2.83	3.59	3.59	1.15	1.15	3.42	2.69	372.24
32x32	3.6	4.81	4.81	3	3	3.87	3.87	1.13	1.13	3.76	2.95	339.23
38x38	1.8	5.42	5.42	2.85	2.85	3.39	3.39	1.47	1.47	2.52	1.98	504.95
38x38	2.0	5.88	5.88	3.1	3.1	3.7	3.7	1.46	1.46	2.78	2.18	458.76
38x38	2.3	6.54	6.54	3.44	3.44	4.15	4.15	1.44	1.44	3.15	2.47	404.68
38x38	2.6	7.13	7.13	3.76	3.76	4.57	4.57	1.43	1.43	3.51	2.75	363.22
38x38	3.0	7.85	7.85	4.13	4.13	5.1	5.1	1.41	1.41	3.97	3.11	321.06
38x38	3.2	8.18	8.18	4.3	4.3	5.34	5.34	1.4	1.4	4.19	3.29	304.01
38x38	3.6	8.76	8.76	4.61	4.61	5.8	5.8	1.38	1.38	4.62	3.63	275.78
40x40	2.6	8.45	8.45	4.22	4.22	5.12	5.12	1.51	1.51	3.72	2.92	342.47
40x40	3.2	9.72	9.72	4.86	4.86	6.01	6.01	1.48	1.48	4.45	3.49	286.53
40x40	3.6	10.45	10.45	5.22	5.22	6.53	6.53	1.46	1.46	4.91	3.85	259.74
40x40	4.0	11.07	11.07	5.54	5.54	7.01	7.01	1.44	1.44	5.35	4.20	238.10