



STEEL PIPES, TUBES & SECTIONS

MKK Metal Sections Pvt. Ltd.



**DRIVEN BY
ENGINEERING
EXCELLENCE**

**METPRO
PRIME**

**METPRO
GALV**

**METPRO
FORM**

**METPRO
ROOF**

**METPRO
ENVIRON**

**METPRO
RACK**

**METPRO
GUARD**

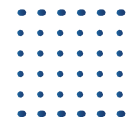
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About Us

mkkmetal.in

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Founder's Legacy

MKK Metal Sections Pvt. Ltd., was setup in 2008 by Late Mr. Mahesh Kumar Khandelwal for production of high quality ERW Pipes and Tubes. With his strategic planning, meticulous financial management, focus and vast industry experience spanning over three decades, MKK has since only flourished.

With an annual production capacity of 5,00,000 MT and a product range spanning over a thousand varieties of Circular, Square, Rectangular and Octagonal MS Black Pipe & Hollow Sections, Galvanized tubes and structures, Solar Module Mounting Structures, Shutters, Purlins, Color Coated Roofing Sheets, and various other cold roll formed sections, MKK is the largest steel product manufacturer in South India. In keeping up with the times and having a consistent eye for growth, we now also specialize in Warehouse Racking Systems & Metal Crash Barriers.

Moving ahead, MKK has set up a new state-of-the-art integrated plant which will specialize in Hot Dip Galvanizing of pipes and Structures. It can galvanize structures which are upto 9 meter in length and will increase our capacity by 60000 tons per annum. Our focus is to continually improve customer satisfaction by providing all services in-house.

MKK has always measured its growth in line with the value addition it has been able to provide its customers with. This value addition has been possible because of its fully integrated, ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 awarded manufacturing facility. R&D initiatives are constantly on at our workshops to enable us to lead the market with our value-added products that meet the evolving needs of a wider range of evolving automobile, construction, lifting and excavation and such industries.

Today, METPRO is synonymous with commitment, innovation backed with a never-say-no attitude, trust and without a doubt, quality.

Being the trusted suppliers of L&T, Ashok Leyland, Siemens Gamesa, Mahindra Susten, TATA Power Solar, Bharat Heavy Electricals Ltd., Adani Group and such, our quality speaks for itself. From Airports, Railway Stations, Malls, Metros, Solar Plants, Industrial and Residential Complexes, MKK has silently been a part of the country's biggest infrastructure projects.

“Work so hard, that luck has no option but to favour you”

- Shri. Mahesh Kumar Khandelwal

Born on December 22nd 1952, in the heart of the country, Gwalior, Late Shri. Mahesh Kumar Khandelwal stepped into the Iron & Steel Industry with his own trading firm in 1981, in Chennai.

From then on, his vision led him to become a major player in the pipe and tube industry. By the early 2000's, he had his heart set on building a steel plant that could constantly add value to the industry, he made sure all mills were built with avant grand technology and his workers were always well taken care of. His efforts along with his keen business sense propelled the company to grow five fold. At the Ranipet factory in Tamil Nadu, one can see the plans he created for the steel company he had dreamt of and pursued for years.

But above all, he was known for his philanthropy and dream to educate India. Through various organisations he supported education for the under-privileged, built schools to promote girls education in remote villages and also contributed in making sheds for gaushalas.

Maheshji was consumed with the passion to play a critical role in India's Make-In-India campaign and make the country's presence stronger on the global front. He laid the foundation of a galvanising plant, planned for bigger mills for ERW pipes, top of the line roll forming and a very strong infrastructural base for exports. Sadly, not all of these were materialised while he lived, but the seeds he laid, the work he did and the force of will he displayed, only push us harder in taking his inestimable legacy forward.

Our founder recognized for our green initiative by the Former Union Finance Minister Mr. P Chidambaram



Mission

To continuously strive, excel and guarantee value addition in terms of quality, customization and service of our products while being sustainable and environmentally conscious.

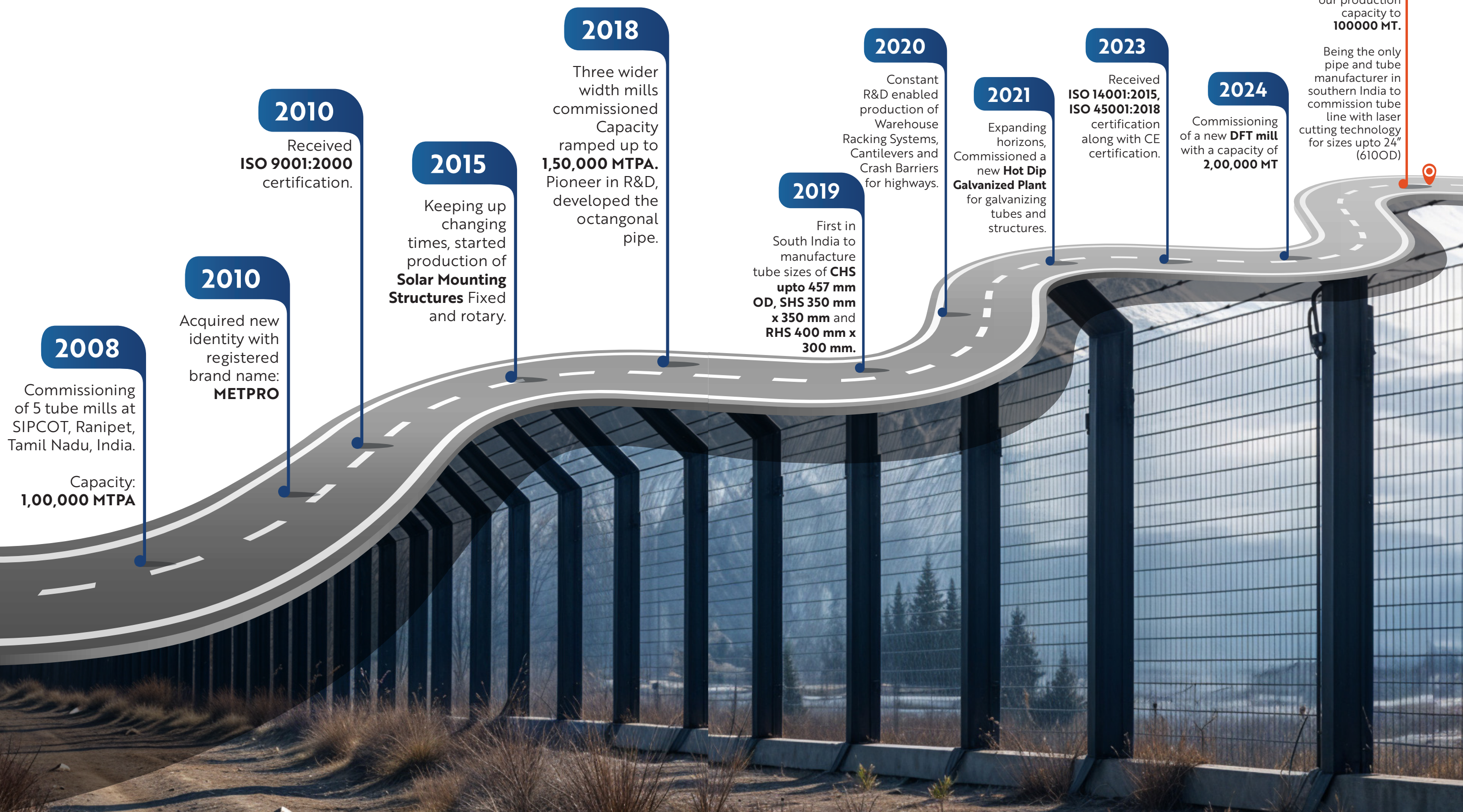
Vision

To play a pivotal role in building a strong infrastructural backbone for India while continuously building a community of strongly knit partners both within and outside the company.

A versatile business group with strong foundation



Milestones





20+
Years

1100+
Products

800+
Customers

750+
Workforce

**State-of-the-art
manufacturing
facilities.**

- 2 Manufacturing Units
- 32 Production Lines
- 5,00,000 MT Annual Capacity

Focussed On Engineering Excellence

**METPRO
PRIME**

METRO PRIME is known for its wide range of circular, square and rectangular hollow sections. MKK specialized in high tensile, high grade ERW pipes and tubes using only the best of raw materials. Customization in terms of length, bevelled end or fin cut, along with hydro testing is provided on request. MKK has been the trusted partner for providing tubes of grades matching from **YST-170, YST-210, YST-240, YST-310, YST-355, YST-400, YST-450** and **YST-530** are used for heavy machinery and industrial purposes.



Our Capacity
5,00,000 MT
in 9 lines

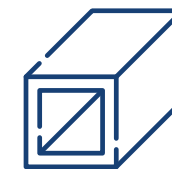
Our Product Range

Wall Thickness (mm): 0.7 - 12.7 | Length (m): 4 - 18



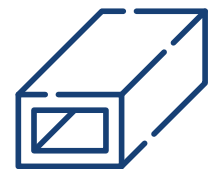
12.7 OD
610 OD

**Circular Hollow
Sections (CHS)**



15 x 15 mm
350 x 350 mm

**Square Hollow
Sections (SHS)**



26 x 13 mm
450 x 250 mm

**Rectangular Hollow
Sections (RHS)**



Applications of ERW Pipes

The products conform to the following national & international specifications.



Gas Pipelines

Steel Tubes for uses in Natural Gas, LPG, Domestic Gas lines (City Gas Distribution) and other Non - Toxic Gases.
IS:1239

Fire Fighting System

ASTM A 53, IS:3589, IS:1239



Water Pipelines

Plumbing, Sewerage Systems, STP, WTP, Fire, Plant Piping, Industrial Water lines.
IS:1239, IS:3589, ASTM A 53, EN 10255, IS:4270

Construction Industries

Scaffolding & Structural Purposes, Electrical Poles, Telecom Towers
IS:1161, IS:4923, EN 10219, ASTM A 500, EN 10255, EN10210



Highways and Warehouses

IS:4923, EN 10219, ASTM A500, IS:1161, EN10210

Steel Tubes for Mechanical, General Engineering and Decorative Purposes

Energy Projects, Sugar Industries, Automobile, AeroSpace Industries, Defence etc. **IS:3601, ASTM A513, IS 18573**



Steel Tube for Idlers & Belt Conveyors

IS:9295



Testimony to Our Capacity



"Certificate of Recognition"
from Government of India.

Management System Certificate •



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

Product and Marking Certificate •

1. EN10219-1:2006 - Cold formed structural Hollow Sections of non-alloy & fine grain steels (CFCHS - Circular, CFRHS - Square & Rectangular) (Black & Galvanized)
2. EN 10255:2004+A1:2007 - Non-Alloy Steel Tubes Suitable for Welding and Threading - Circular Hollow Sections (CHS) - Black and Galvanized
3. EN10210-1:2006 - Hot finished structural Hollow Sections of non-alloy & fine grain steels (CFCHS - Circular, CFRHS - Square & Rectangular) (Black & Galvanized)
4. EN 10217-1-Welded Steel Tubes (CHS) for Pressure Purposes
5. Underwriters Laboratories-UL
6. SLS 829:2009 - GI Pipes
7. AFP-3206 (Activfire) for ASTM A 135/A53
8. AFP-2977 (Activfire) for AS1074
9. BIS Licenses IS 1239 (part-1), IS 3589, IS 4270, IS 1161, IS 4923, IS 3601, IS 9295, IS 18573



Conforming to the Highest Standards

Delivering High Quality

EQUIVALENT STANDARDS OF TUBES WITH APPLICATIONS

	STANDARD END USE	INDIAN	BRITISH/ EUROPEAN	AMERICAN	JAPANESE	GERMAN	AUSTRALIAN
1	Water, Gas, Steam	IS-1239	BS-1387	ASTMA-53	-	DIN-2439, 2440 & 2441	AS 1074
2	Water, Sewage	IS-3589	EN-10255	-	-	-	-
3	Structural, Scaffolding	IS-1161	"BS-1139, 6323 EN-39 EN-10219"	AST- MA-500	JIS G 3444	-	AS 1163
4	Idlers, Belt Conveyers	IS-9295	BS-6323	ASTMA-513	-	-	-
5	Water Wells, Casing	IS-4270	BS-879	-	-	-	-
6	Sectional Tubes (Sq. & Rect.)	IS-4923/ IS 18573	-	AST- MA-500	JIS G 3466	DIN-239	AS 1163
7	Furniture Tube	IS-7138	-	-	JIS G 3445	-	-
8	Oil Pipes / Pressure	IS/ ISO-3183	EN-10217	API5L	JIS G 3452	DIN-17177	-
9	Mechanical Application	IS-3601	BS-6323	-	JIS G 3445	DIN-2393	-
10	Hydro Carbon & Process Industries	IS-6286	-	-	-	-	-
11	Boiler & APH Tubes	-	BS:3059, 6323	-	-	-	-

Introducing DFT

Direct Forming Technology (DFT) Tube Mill Revolutionizing Tube Production

Welcome to the future of tube manufacturing with our Direct Forming Technology (DFT) Tube Mill. In an era where efficiency, precision, and flexibility are paramount, our DFT Tube Mill stands at the forefront of innovation, reshaping the landscape of tube production.



What sets our DFT Tube Mill apart is its revolutionary approach to tube forming. Unlike traditional methods that involve multiple steps of bending, welding, and sizing, our DFT Tube Mill employs a direct forming process that eliminates intermediate steps, resulting in seamless, high-quality tubes in a single pass.

Key features of our DFT Tube Mill

1 Single-Pass Efficiency:
With DFT tube forming is accomplished in a single pass, minimizing handling and reducing production time significantly.

2 Precise Control:
Advanced automation and control systems ensure precise dimensional accuracy and consistency across every tube produced, meeting even the most stringent quality standards.

3 Versatility:
Our DFT Tube Mill accommodates a wide range of materials, thicknesses, and diameters, offering unparalleled versatility to meet diverse customer needs.

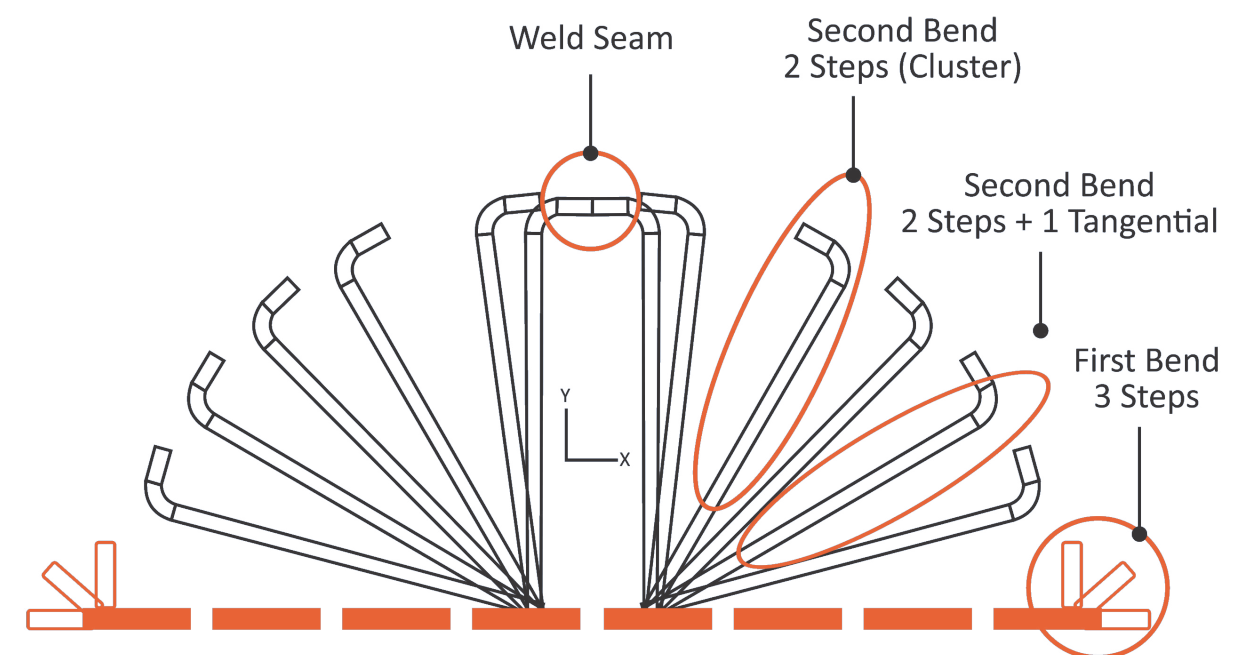
4 Cost-Effectiveness:
By eliminating the need for multiple forming and welding steps, our DFT Tube Mill reduces labor costs, energy consumption, and material waste, resulting in substantial cost savings for our customers.

5 Seamless Integration:
Designed for seamless integration into existing production lines, our DFT Tube Mill enables manufacturers to upgrade their capabilities without disrupting ongoing operations.

6 High-Speed Performance:
Equipped with cutting-edge technology and high-speed components, our DFT Tube Mill delivers superior throughput and productivity, maximizing output without compromising quality.

7 Quality Assurance:
Rigorous quality control measures and real-time monitoring systems ensure that every tube produced meets or exceeds customer expectations, guaranteeing satisfaction and reliability.

Our Direct Forming Technology (DFT) Tube Mill represents a paradigm shift in tube manufacturing, offering unmatched efficiency, precision, and versatility. Embrace the future of tube production with our DFT Tube Mill and experience the transformative power of innovation in your operations. Join the ranks of industry leaders who have embraced DFT technology and stay ahead of the competition with seamless, high-quality tubes produced with unmatched speed and efficiency.



Design of Section Pipe

Information on Specification, Grades & Sizes Covered in DFT

Specification	Grades	Sizes covered in SHS	Sizes covered in RHS
IS:4923	YST 210, 240, 310, 355	100 x 100 x 2.5 to 12.7 mm	100 x 150 x 2.5 to 12.7 mm
ASTM A500	A500-Gr A, B & C	120 x 120 x 2.5 to 12.7 mm	100 x 200 x 3 to 12.7 mm
EN 10219/10210	S235, S275, S355	135 x 135 x 2.5 to 12.7 mm	100 x 250 x 3 to 12.7 mm
	G40.20-13	150 x 150 x 3 to 12.7 mm	100 x 300 x 3 to 12.7 mm
	G40.21-13	160 x 160 x 3 to 12.7 mm	120 x 200 x 3 to 12.7 mm
		180 x 180 x 3 to 12.7 mm	120 x 240 x 3 to 12.7 mm
		190 x 190 x 3 to 12.7 mm	150 x 200 x 3 to 12.7 mm
		200 x 200 x 4 to 12.7 mm	150 x 250 x 4 to 12.7 mm
		220 x 220 x 4 to 12.7 mm	150 x 300 x 4 to 12.7 mm
		250 x 250 x 4 to 12.7 mm	200 x 300 x 4 to 12.7 mm
		280 x 280 x 4 to 12.7 mm	200 x 400 x 4 to 12.7 mm
		300 x 300 x 4 to 12.7 mm	300 x 400 x 4 to 12.7 mm
		350 x 350 x 4 to 12.7 mm	250 x 450 x 4 to 12.7 mm

Information on Specification, Grades & Sizes Covered in DFT

Note: Sizes other than mentioned in the table can also be customized.

Circular Hollow Sections (CHS)

Introduction

The most versatile product, our Circular Steel Hollow Sections are made by ERW process using high quality steel HR coils. Having the widest range of sizes ranging from **12.7 OD to 610 OD** with thickness up to 12.7mm, MKK continually works on developing unique sizes for special applications.



Yield Strength

170 MPa to 800 MPa



Certified by BIS ISI Mark

IS 1161, IS 3589, IS 3601, IS 4270, IS 9295, IS 1239-1



In-house Quality Checks

On-line Eddy-Current & Off-line chemical (spectrometer) & mechanical properties checks, Hydro-Testing, UT, RT(On Demand)

Applications



Airport Terminals, Aero-bridges and Metro Stations



Bus Bodies and Automobile Industries



Transmission Line Towers



Industrial and Commercial Shed Structures



Lifting and Excavation Industries



Highway Cantilever Structures

TECHNICAL DATA FOR STEEL TUBES FOR STRUCTURAL PURPOSES, CONFORMING TO IS:1161 - 2014 EQUIVALENT TO BS:1775 - 64										
NOMINAL BORE & SERIES		OUTER DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	in	Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
15	1/2"	21.7	21.3	20.5	2.0	14	0.95	1053	5.8	173
15	1/2"	21.7	21.3	20.5	2.5	12	1.16	862	7.1	141
15	1/2"	21.7	21.3	20.5	3.0	11	1.35	741	8.2	122
20	3/4"	27.3	26.9	26.1	2.0	14	1.23	813	7.5	133
20	3/4"	27.3	26.9	26.1	2.5	12	1.50	667	9.1	109
20	3/4"	27.3	26.9	26.1	3.0	11	1.77	565	10.8	93
25	1"	34.1	33.7	32.9	2.0	14	1.56	641	9.5	105
25	1"	34.1	33.7	32.9	2.5	12	1.92	521	11.7	85
25	1"	34.1	33.7	32.9	3.0	11	2.27	441	13.8	72
32	1.1/4"	42.8	42.4	41.6	2.0	14	1.99	503	12.1	82
32	1.1/4"	42.8	42.4	41.6	2.5	12	2.46	407	15.0	67
32	1.1/4"	42.8	42.4	41.6	3.0	11	2.91	344	17.7	56
32	1.1/4"	42.8	42.4	41.6	4.0	8	3.79	264	23.1	43
40	1.1/2"	48.7	48.3	47.5	2.0	14	2.28	439	13.9	72
40	1.1/2"	48.7	48.3	47.5	2.5	12	2.82	355	17.2	58
40	1.1/2"	48.7	48.3	47.5	3.0	11	3.35	299	20.4	49
40	1.1/2"	48.7	48.3	47.5	4.0	8	4.37	229	26.6	38
40	1.1/2"	48.7	48.3	47.5	5.0	6	5.34	187	32.6	31
50	2"	60.9	60.3	59.7	2.0	14	2.88	347	17.6	57
50	2"	60.9	60.3	59.7	2.5	12	3.56	281	21.7	46
50	2"	60.9	60.3	59.7	3.0	11	4.24	236	25.8	39
50	2"	60.9	60.3	59.7	4.0	8	5.55	180	33.8	30
50	2"	60.9	60.3	59.7	5.0	6	6.82	147	41.6	24
65	2.1/2"	76.9	76.1	75.3	2.0	14	3.65	274	22.3	45
65	2.1/2"	76.9	76.1	75.3	2.5	12	4.54	220	27.7	36
65	2.1/2"	76.9	76.1	75.3	3.0	11	5.41	185	33.0	30
65	2.1/2"	76.9	76.1	75.3	4.0	8	7.11	141	43.3	23
65	2.1/2"	76.9	76.1	75.3	5.0	6	8.77	114	53.5	19
65	2.1/2"	76.9	76.1	75.3	6.0	4	10.37	96	63.2	16
65	2.1/2"	76.9	76.1	75.3	6.3	3	10.84	92	66.1	15
80	3"	89.8	88.9	88.0	2.0	14	4.29	233	26.2	38
80	3"	89.8	88.9	88.0	2.5	12	5.33	188	32.5	31
80	3"	89.8	88.9	88.0	3.0	11	6.36	157	38.8	26
80	3"	89.8	88.9	88.0	4.0	8	8.38	119	51.1	20
80	3"	89.8	88.9	88.0	5.0	6	10.35	97	63.1	16
80	3"	89.8	88.9	88.0	6.0	4	12.27	81	74.8	13
80	3"	89.8	88.9	88.0	6.3	3	12.83	78	78.2	13
90	3.1/2"	102.6	101.6	100.6	2.0	14	4.91	204	29.9	33
90	3.1/2"	102.6	101.6	100.6	2.5	12	6.11	164	37.2	27
90	3.1/2"	102.6	101.6	100.6	3.0	11	7.29	137	44.4	23
90	3.1/2"	102.6	101.6	100.6	4.0	8	9.63	104	58.7	17
90	3.1/2"	102.6	101.6	100.6	5.0	6	11.91	84	72.6	14
90	3.1/2"	102.6	101.6	100.6	6.0	4	14.15	71	86.3	12
90	3.1/2"	102.6	101.6	100.6	6.3	3	14.81	68	90.3	11

TECHNICAL DATA FOR STEEL TUBES FOR STRUCTURAL PURPOSES, CONFORMING TO IS:1161 - 2014 EQUIVALENT TO BS:1775 - 64										
NOMINAL BORE & SERIES		OUTER DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	in	Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
100	4"	115.4	114.3	113.2	2.5	12	6.89	145	42.0	24
100	4"	115.4	114.3	113.2	3.0	11	8.23	122	50.2	20
100	4"	115.4	114.3	113.2	4.0	8	10.88	92	66.3	15
100	4"	115.4	114.3	113.2	5.0	6	13.48	74	82.2	12
100	4"	115.4	114.3	113.2	6.0	4	16.03	62	97.7	10
100	4"	115.4	114.3	113.2	6.3	3	16.78	60	102.3	10
100	4"	115.4	114.3	113.2	8.0	0	20.97	48	127.8	8
110	4.1/4"	128.3	127.0	125.7	2.9	11	8.88	113	54.1	18
110	4.1/4"	128.3	127.0	125.7	3.2	10	9.77	102	59.6	17
110	4.1/4"	128.3	127.0	125.7	3.6	9	10.96	91	66.8	15
110	4.1/4"	128.3	127.0	125.7	4.0	8	12.13	82	73.9	14
110	4.1/4"	128.3	127.0	125.7	5.0	6	15.04	66	91.7	11
110	4.1/4"	128.3	127.0	125.7	6.0	4	17.90	56	109.1	9
110	4.1/4"	128.3	127.0	125.7	6.3	3	18.75	53	114.3	9
125	5"	141.1	139.7	138.3	3.0	11	10.11	99	61.6	16
125	5"	141.1	139.7	138.3	4.0	8	13.39	75	81.6	12
125	5"	141.1	139.7	138.3	5.0	6	16.61	60	101.3	10
125	5"	141.1	139.7	138.3	6.0	4	19.78	51	120.6	8
125	5"	141.1	139.7	138.3	6.3	3	20.73	48	126.4	8
125	5"	141.1	139.7	138.3	8.0	0	25.98	38	158.4	6
125	5"	141.1	139.7	138.3	10.0	0	31.99	31	195.0	5
135	5.1/4"	153.9	152.4	150.9	3.0	11	11.05	90	67.4	15
135	5.1/4"	153.9	152.4	150.9	4.0	8	14.64	68	89.2	11
135	5.1/4"	153.9	152.4	150.9	5.0	6	18.18	55	110.8	9
135	5.1/4"	153.9	152.4	150.9	6.0	4	21.66	46	132.0	8
135	5.1/4"	153.9	152.4	150.9	6.3	3	22.70	44	138.4	7
135	5.1/4"	153.9	152.4	150.9	8.0	0	28.49	35	173.7	6
135	5.1/4"	153.9	152.4	150.9	10.0	0	35.12	28	214.1	5
150	6"	166.8	165.1	163.4	3.0	11	11.99	83	73.1	14
150	6"	166.8	165.1	163.4	4.0	8	15.89	63	96.9	10
150	6"	166.8	165.1	163.4	5.0	6	19.74	51	120.3	8
150	6"	166.8	165.1	163.4	6.0	4	23.54	42	143.5	7
150	6"	166.8	165.1	163.4	6.3	3	24.67	41	150.4	7
150	6"	166.8	165.1	163.4	8.0	0	30.99	32	188.9	5
150	6"	170.0	168.3	166.6	3.0	11	12.23	82	74.6	13
150	6"	170.0	168.3	166.6	4.0	8	16.21	62	98.8	10
150	6"	170.0	168.3	166.6	5.0	6	20.14	50	122.8	8
150	6"	170.0	168.3	166.6	6.0	4	24.02	42	146.4	7
150	6"	170.0	168.3	166.6	6.3	3	25.17	40	153.4	7
150	6"	170.0	168.3	166.6	8.0	0	31.63	32	192.8	5
150	6"	170.0	168.3	166.6	10.0	0	39.04	26	238.0	4
170	6.3/4"	179.6	177.8	176.0	4.0	8	17.14	58	104.5	10
170	6.3/4"	179.6	177.8	176.0	5.0	6	21.31	47	129.9	8
170	6.3/4"	179.6	177.8	176.0	6.0	4	25.42	39	155.0	6

TECHNICAL DATA FOR STEEL TUBES FOR STRUCTURAL PURPOSES,
CONFORMING TO IS:1161 - 2014 EQUIVALENT TO BS:1775 - 64

NOMINAL BORE & SERIES		OUTER DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	in	Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
170	6.3/4"	179.6	177.8	176.0	6.3	3	26.65	38	162.5	6
170	6.3/4"	179.6	177.8	176.0	8.0	0	33.50	30	204.2	5
170	6.3/4"	179.6	177.8	176.0	10.0	0	41.38	24	252.3	4
170	6.3/4"	179.6	177.8	176.0	12.0	0	49.07	20	299.1	3
170	6.3/4"	179.6	177.8	176.0	12.5	0	50.96	20	310.7	3
175	7"	195.6	193.7	191.8	4.0	8	18.71	53	114.1	9
175	7"	195.6	193.7	191.8	5.0	6	23.27	43	141.9	7
175	7"	195.6	193.7	191.8	6.0	4	27.77	36	169.3	6
175	7"	195.6	193.7	191.8	6.3	3	29.12	34	177.5	6
175	7"	195.6	193.7	191.8	8.0	0	36.64	27	223.4	4
175	7"	195.6	193.7	191.8	10.0	0	45.30	22	276.1	4
175	7"	195.6	193.7	191.8	12.0	0	53.77	19	327.8	3
175	7"	195.6	193.7	191.8	12.5	0	55.86	18	340.5	3
200	8"	221.3	219.1	216.9	4.0	8	21.22	47	129.4	8
200	8"	221.3	219.1	216.9	5.0	6	26.40	38	160.9	6
200	8"	221.3	219.1	216.9	6.0	4	31.53	32	192.2	5
200	8"	221.3	219.1	216.9	6.3	3	33.06	30	201.5	5
200	8"	221.3	219.1	216.9	8.0	0	41.65	24	253.9	4
200	8"	221.3	219.1	216.9	10.0	0	51.57	19	314.4	3
200	8"	221.3	219.1	216.9	12.0	0	61.29	16	373.6	3
200	8"	221.3	219.1	216.9	12.5	0	63.69	16	388.3	3
225	9"	246.9	244.5	242.1	5.0	6	29.53	34	180.0	6
225	9"	246.9	244.5	242.1	6.0	4	35.29	28	215.1	5
225	9"	246.9	244.5	242.1	6.3	3	37.01	27	225.6	4
225	9"	246.9	244.5	242.1	8.0	0	46.66	21	284.4	4
225	9"	246.9	244.5	242.1	10.0	0	57.83	17	352.5	3
225	9"	246.9	244.5	242.1	12.0	0	68.81	15	419.5	2
225	9"	246.9	244.5	242.1	12.5	0	71.52	14	436.0	2
250	10"	275.7	273.0	270.3	5.0	6	33.05	30	201.5	5
250	10"	275.7	273.0	270.3	6.0	4	39.51	25	240.9	4
250	10"	275.7	273.0	270.3	6.3	3	41.44	24	252.6	4
250	10"	275.7	273.0	270.3	8.0	0	52.28	19	318.7	3
250	10"	275.7	273.0	270.3	10.0	0	64.86	15	395.4	3
250	10"	275.7	273.0	270.3	12.0	0	77.24	13	470.9	2
300	12"	327.1	323.9	320.7	6.0	4	47.04	21	286.8	3
300	12"	327.1	323.9	320.7	6.3	3	49.34	20	300.8	3
300	12"	327.1	323.9	320.7	8.0	0	62.32	16	379.9	3
300	12"	327.1	323.9	320.7	10.0	0	77.41	13	471.9	2
300	12"	327.1	323.9	320.7	12.0	0	92.30	11	562.7	2
300	12"	327.1	323.9	320.7	12.5	0	95.99	10	585.2	2
350	14"	359.2	355.6	352.0	5.0	6	43.23	23	263.5	4
350	14"	359.2	355.6	352.0	6.0	4	51.73	19	315.3	3
350	14"	359.2	355.6	352.0	6.3	3	54.27	18	330.8	3
350	14"	359.2	355.6	352.0	8.0	0	68.58	15	418.1	2

TECHNICAL DATA FOR STEEL TUBES FOR STRUCTURAL PURPOSES,
CONFORMING TO IS:1161 - 2014 EQUIVALENT TO BS:1775 - 64

NOMINAL BORE & SERIES		OUTER DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	in	Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
350	14"	359.2	355.6	352.0	10.0	0	85.23	12	519.6	2
350	14"	359.2	355.6	352.0	12.0	0	101.68	10	619.8	2
350	14"	359.2	355.6	352.0	12.5	0	105.77	9	644.8	2
400	16"	410.5	406.4	402.3	6.0	4	59.25	17	361.2	3
400	16"	410.5	406.4	402.3	6.3	3	62.16	16	378.9	3
400	16"	410.5	406.4	402.3	8.0	0	78.60	13	479.1	2
400	16"	410.5	406.4	402.3	10.0	0	97.76	10	595.9	2
400	16"	410.5	406.4	402.3	12.0	0	116.72	9	711.5	1
400	16"	410.5	406.4	402.3	12.5	0	121.43	8	740.2	1
450	18"	461.6	457.0	452.4	6.0	4	66.73	15	406.8	2
450	18"	461.6	457.0	452.4	6.3	3	70.02	14	426.8	2
450	18"	461.6	457.0	452.4	8.0	0	88.58	11	540.0	2
450	18"	461.6	457.0	452.4	10.0	0	110.24	9	672.0	1
450	18"	461.6	457.0	452.4	12.0	0	131.69	8	802.8	1
450	18"	461.6	457.0	452.4	12.5	0	137.03	7	835.3	1
500	20"	513.1	508.0	502.9	6.0	4	74.28	13	452.8	2
500	20"	513.1	508.0	502.9	6.3	3	77.95	13	475.2	2
500	20"	513.1	508.0	502.9	8.0	0	98.65	10	601.4	2
500	20"	513.1	508.0	502.9	10.0	0	122.81	8	748.6	1
500	20"	513.1	508.0	502.9	12.0	0	146.79	7	894.8	1
500	20"	513.1	508.0	502.9	12.5	0	152.75	7	931.2	1
600	24"	616.1	610.0	603.9	6.0	4	89.37	11	544.8	2
600	24"	616.1	610.0	603.9	6.3	3	93.80	11	571.8	2
600	24"	616.1	610.0	603.9	8.0	0	118.77	8	724.0	1
600	24"	616.1	610.0	603.9	10.0	0	147.97	7	902.0	1
600	24"	616.1	610.0	603.9	12.0	0	176.97	6	1078.8	1
600	24"	616.1	610.0	603.9	12.5	0	184.19	5	1122.8	1

Following Manufacturing Tolerance shall be permitted on Thickness and Mass

Outside dimensions of sides : Upto & Including 48.3 mm : +0.4 / -0.8 mm Over 48.3 mm : ± 1 percent of length of the side to be measured with a minimum of ± 0.5 mm	Thickness for all Sizes : ± 10 %	Length (unless otherwise specified) : 4 to 7 Meters
	Weight on Individual Length : ± 10 %	
	Weight on On lot of 10 tones : ± 7.5 %	

Light & Heavy Thickness other than those given in the above table may be supplied as per customer requirements

Customizable length upto 12 meters feasible

We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.

TECHNICAL DATA FOR STEEL TUBES FOR MECHANICAL & GENERAL ENGINEERING PURPOSES CONFIRMING TO IS:3601 - 2006								
OUTSIDE DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES			
					PLAIN END			
Max	Mean	Min	mm	SWG	KG/MTR	Mtrs/ Tonne	Kgs/20'	Pcs / MT
15.95	15.8	15.65	1.6	16	0.58	1724	3.5	283
15.95	15.8	15.65	1.8	15	0.64	1563	3.9	256
15.95	15.8	15.65	2.0	14	0.70	1429	4.3	234
21.45	21.3	21.15	1.8	15	0.87	1155	5.3	189
21.45	21.3	21.15	2.0	14	0.95	1050	5.8	172
21.45	21.3	21.15	2.6	12	1.20	833	7.3	137
21.45	21.3	21.15	3.2	10	1.43	699	8.7	115
21.45	21.3	21.15	4.0	8	1.71	585	10.4	96
25.58	25.4	25.22	1.6	16	0.93	1075	5.7	176
25.58	25.4	25.22	1.8	15	1.04	962	6.3	158
25.58	25.4	25.22	2.0	14	1.15	870	7.0	143
27.08	26.9	26.72	1.8	15	1.11	901	6.8	148
27.08	26.9	26.72	2.0	14	1.23	813	7.5	133
27.08	26.9	26.72	2.3	13	1.40	714	8.5	117
27.08	26.9	26.72	2.6	12	1.56	641	9.5	105
27.08	26.9	26.72	3.2	10	1.87	535	11.4	88
27.08	26.9	26.72	4.0	8	2.26	442	13.8	73
31.9	31.75	31.60	1.6	16	1.20	833	7.3	137
31.9	31.75	31.60	1.8	15	1.35	741	8.2	122
31.9	31.75	31.60	2.0	14	1.49	671	9.1	110
33.88	33.7	33.52	2.0	14	1.56	641	9.5	105
33.88	33.7	33.52	2.3	13	1.78	562	10.9	92
33.88	33.7	33.52	2.6	12	1.99	503	12.1	82
33.88	33.7	33.52	3.2	10	2.41	415	14.7	68
33.88	33.7	33.52	4.0	8	2.93	341	17.9	56
38.28	38.1	37.92	2.0	14	1.78	562	10.9	92
38.28	38.1	37.92	2.6	12	2.27	441	13.8	72
38.28	38.1	37.92	3.2	10	2.75	364	16.8	60
38.28	38.1	37.92	4.0	8	3.36	298	20.5	49
40.18	40.0	39.82	2.0	14	1.87	535	11.4	88
40.18	40.0	39.82	2.3	13	2.13	469	13.0	77
40.18	40.0	39.82	2.6	12	2.39	418	14.6	69
40.18	40.0	39.82	3.2	10	3.55	282	21.6	46
42.58	42.4	42.22	2.3	13	2.27	441	13.8	72
42.58	42.4	42.22	2.6	12	2.55	392	15.5	64
42.58	42.4	42.22	3.2	10	3.09	324	18.8	53
42.58	42.4	42.22	3.6	9	3.44	291	21.0	48
42.58	42.4	42.22	4.0	8	3.79	264	23.1	43
42.58	42.4	42.22	5.4	5	4.92	203	30.0	33

TECHNICAL DATA FOR STEEL TUBES FOR MECHANICAL & GENERAL ENGINEERING PURPOSES CONFIRMING TO IS:3601 - 2006								
OUTSIDE DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES			
					PLAIN END			
Max	Mean	Min	mm	SWG	KG/MTR	Mtrs/ Tonne	Kgs/20'	Pcs / MT
45.38	45.2	45.02	2.3	13	2.43	412	14.8	68
45.38	45.2	45.02	2.6	12	2.73	366	16.6	60
45.38	45.2	45.02	3.2	10	3.31	302	20.2	50
45.38	45.2	45.02	3.6	9	3.69	271	22.5	44
45.38	45.2	45.02	4.0	8	4.06	246	24.7	40
48.48	48.3	48.12	2.3	13	2.61	383	15.9	63
48.48	48.3	48.12	2.6	12	2.93	341	17.9	56
48.48	48.3	48.12	2.9	11	3.25	308	19.8	50
48.48	48.3	48.12	3.2	10	3.56	281	21.7	46
48.48	48.3	48.12	3.6	9	3.97	252	24.2	41
48.48	48.3	48.12	4.0	8	4.37	229	26.6	38
48.48	48.3	48.12	4.9	6	5.24	191	31.9	31
50.98	50.8	50.62	2.3	13	2.75	364	16.8	60
50.98	50.8	50.62	2.6	12	3.09	324	18.8	53
50.98	50.8	50.62	3.2	10	3.75	267	22.9	44
50.98	50.8	50.62	3.6	9	4.19	239	25.5	39
50.98	50.8	50.62	4.0	8	4.61	217	28.1	36
53.25	53.0	52.75	3.2	10	3.93	254	24.0	42
53.25	53.0	52.75	4.5	7	5.38	186	32.8	30
53.25	53.0	52.75	5.4	5	6.33	158	38.6	26
53.25	53.0	52.75	6.3	3	7.25	138	44.2	23
53.25	53.0	52.75	8.0	0	8.87	113	54.1	18
60.55	60.3	60.05	2.3	13	3.29	304	20.1	50
60.55	60.3	60.05	2.6	12	3.70	270	22.6	44
60.55	60.3	60.05	2.9	11	4.11	243	25.1	40
60.55	60.3	60.05	3.2	10	4.51	222	27.5	36
60.55	60.3	60.05	3.6	9	5.03	199	30.7	33
60.55	60.3	60.05	4.0	8	5.55	180	33.8	30
60.55	60.3	60.05	4.5	7	6.19	162	37.7	27
60.55	60.3	60.05	8.0	0	10.31	97	62.8	16
63.75	63.5	63.25	2.3	13	3.47	288	21.2	47
63.75	63.5	63.25	2.6	12	3.90	256	23.8	42
63.75	63.5	63.25	3.2	10	4.75	211	29.0	35
63.75	63.5	63.25	3.6	9	5.39	186	32.9	30
63.75	63.5	63.25	4.5	7	6.55	153	39.9	25
76.35	76.1	75.85	2.6	12	4.71	212	28.7	35
76.35	76.1	75.85	2.9	11	5.24	191	31.9	31
76.35	76.1	75.85	3.2	10	5.75	174	35.1	29
76.35	76.1	75.85	3.6	9	6.44	155	39.3	25
76.35	76.1	75.85	4.5	7	7.95	126	48.5	21
76.35	76.1	75.85	5.0	6	8.77	114	53.5	19
76.35	76.1	75.85	5.4	5	9.42	106	57.4	17

TECHNICAL DATA FOR STEEL TUBES FOR MECHANICAL & GENERAL ENGINEERING PURPOSES
CONFIRMING TO IS:3601 - 2006

OUTSIDE DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES			
					PLAIN END			
Max	Mean	Min	mm	SWG	KG/MTR	Mtrs/ Tonne	Kgs/20'	Pcs / MT
76.35	76.1	75.85	6.3	3	10.80	93	65.8	15
76.35	76.1	75.85	7.1	2	12.10	83	73.8	14
89.21	88.9	88.59	2.9	11	6.15	163	37.5	27
89.21	88.9	88.59	3.2	10	6.76	148	41.2	24
89.21	88.9	88.59	4.0	8	8.38	119	51.1	20
89.21	88.9	88.59	5.0	6	10.30	97	62.8	16
89.21	88.9	88.59	5.4	5	11.10	90	67.7	15
89.21	88.9	88.59	6.3	3	12.80	78	78.0	13
101.96	101.6	101.24	3.6	9	8.70	115	53.0	19
101.96	101.6	101.24	4.0	8	9.63	104	58.7	17
101.96	101.6	101.24	5.0	6	11.90	84	72.5	14
112.93	112.5	112.07	2.9	11	7.83	128	47.7	21
112.93	112.5	112.07	3.2	10	8.62	116	52.5	19
114.73	114.3	113.87	3.2	10	8.77	114	53.5	19
114.73	114.3	113.87	3.6	9	9.83	102	59.9	17
114.73	114.3	113.87	4.5	7	12.20	82	74.4	13
114.73	114.3	113.87	5.4	5	14.50	69	88.4	11
114.73	114.3	113.87	6.3	3	16.80	60	102.4	10
114.73	114.3	113.87	8.0	0	21.00	48	128.0	8
127.58	127.0	126.42	4.5	7	13.60	74	82.9	12
127.58	127.0	126.42	5.0	6	15.00	67	91.4	11
127.58	127.0	126.42	5.4	5	16.20	62	98.8	10
133.58	133.0	132.42	5.0	6	15.78	63	96.2	10
133.58	133.0	132.42	6.3	3	19.68	51	120.0	8
133.58	133.0	132.42	8.0	0	24.66	41	150.3	7
140.28	139.7	139.12	3.6	9	12.10	83	73.8	14
140.28	139.7	139.12	4.0	8	13.40	75	81.7	12
140.28	139.7	139.12	4.5	7	15.00	67	91.4	11
140.28	139.7	139.12	5.0	6	16.60	60	101.2	10
140.28	139.7	139.12	5.4	5	17.90	56	109.1	9
140.28	139.7	139.12	6.3	3	20.70	48	126.2	8
140.28	139.7	139.12	8.0	0	26.00	38	158.5	6
152.98	152.4	151.82	4.5	7	16.40	61	100.0	10
152.98	152.4	151.82	4.8	6	17.60	57	107.3	9
152.98	152.4	151.82	5.4	5	19.58	51	119.4	8
152.98	152.4	151.82	6.3	3	22.70	44	138.4	7
158.35	159.0	159.65	4.5	7	17.10	58	104.2	10
158.35	159.0	159.65	4.8	6	18.44	54	112.4	9
158.35	159.0	159.65	5.4	5	20.46	49	124.7	8
158.35	159.0	159.65	6.3	3	23.72	42	144.6	7
165.75	165.1	164.45	4.5	7	17.80	56	108.5	9

TECHNICAL DATA FOR STEEL TUBES FOR MECHANICAL & GENERAL ENGINEERING PURPOSES
CONFIRMING TO IS:3601 - 2006

OUTSIDE DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES			
					PLAIN END			
Max	Mean	Min	mm	SWG	KG/MTR	Mtrs/ Tonne	Kgs/20'	Pcs / MT
165.75	165.1	164.45	5.0	6	19.70	51	120.1	8
165.75	165.1	164.45	5.4	5	21.20	47	129.2	8
165.75	165.1	164.45	6.3	3	24.80	40	151.2	7
168.95	168.3	167.65	4.0	8	16.20	62	98.8	10
168.95	168.3	167.65	4.5	7	18.20	55	110.9	9
168.95	168.3	167.65	5.0	6	20.10	50	122.5	8
168.95	168.3	167.65	5.4	5	21.70	46	132.3	8
168.95	168.3	167.65	6.3	3	25.20	40	153.6	7
168.95	168.3	167.65	7.1	2	28.20	35	171.9	6
168.95	168.3	167.65	8.0	0	31.60	32	192.6	5
194.45	193.7	192.95	5.0	6	23.30	43	142.0	7
194.45	193.7	192.95	5.4	5	25.10	40	153.0	7
194.45	193.7	192.95	5.9	4	27.30	37	166.4	6
194.45	193.7	192.95	6.3	3	29.10	34	177.4	6
194.45	193.7	192.95	8.0	0	36.60	27	223.1	4
219.85	219.1	218.35	4.5	7	23.80	42	145.1	7
219.85	219.1	218.35	5.0	6	26.40	38	160.9	6
219.85	219.1	218.35	5.6	5	29.50	34	179.8	6
219.85	219.1	218.35	6.3	3	33.10	30	201.8	5
219.85	219.1	218.35	8.0	0	41.60	24	253.6	4
245.25	244.5	243.75	5.9	4	34.20	29	208.5	5
245.25	244.5	243.75	7.1	2	41.70	24	254.2	4
245.25	244.5	243.75	8.0	0	46.10	22	281.0	4
273.75	273.0	272.25	5.0	6	33.00	30	201.2	5
273.75	273.0	272.25	6.3	3	41.40	24	252.4	4
273.75	273.0	272.25	7.1	2	46.60	21	284.1	4
273.75	273.0	272.25	8.0	0	52.20	19	318.2	3
273.75	273.0	272.25	10.0	0	64.90	15	395.6	3
324.65	323.9	323.15	5.6	5	44.00	23	268.2	4
324.65	323.9	323.15	7.1	2	55.50	18	338.3	3
324.65	323.9	323.15	8.0	0	62.30	16	379.8	3
324.65	323.9	323.15	10.0	0	77.40	13	471.8	2
356.35	355.6	354.85	5.6	5	48.30	21	294.4	3
356.35	355.6	354.85	8.0	0	68.60	15	418.2	2
356.35	355.6	354.85	10.0	0	85.20	12	519.4	2
356.35	355.6	354.85	11.0	0	93.50	11	570.0	2
356.35	355.6	354.85	12.5	0	106.00	9	646.2	2
377.75	377.0	376.25	5.6	5	51.37	19	313.2	3
377.75	377.0	376.25	8.0	0	72.80	14	443.8	2
377.75	377.0	376.25	10.0	0	90.50	11	551.7	2
377.75	377.0	376.25	12.5	0	112.36	9	684.9	1

TECHNICAL DATA FOR STEEL TUBES FOR MECHANICAL & GENERAL ENGINEERING PURPOSES
CONFIRMING TO IS:3601 - 2006

OUTSIDE DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES			
					PLAIN END			
Max	Mean	Min	mm	SWG	KG/MTR	Mtrs/ Tonne	Kgs/20'	Pcs / MT
407.15	406.4	405.65	6.3	5	62.20	16	379.2	3
407.15	406.4	405.65	8.8	0	86.30	12	526.1	2
407.15	406.4	405.65	10.0	0	97.80	10	596.2	2
407.15	406.4	405.65	12.5	0	121.00	8	737.6	1

Manufacturing Tolerance shall be permitted on Thickness +/- 10 percent

Light & Heavy Thickness other than those given in the above table
may be supplied as per customer requirements

We are equipped with inner weld scarfing (internal weld fin removal)
as per customer requirement.



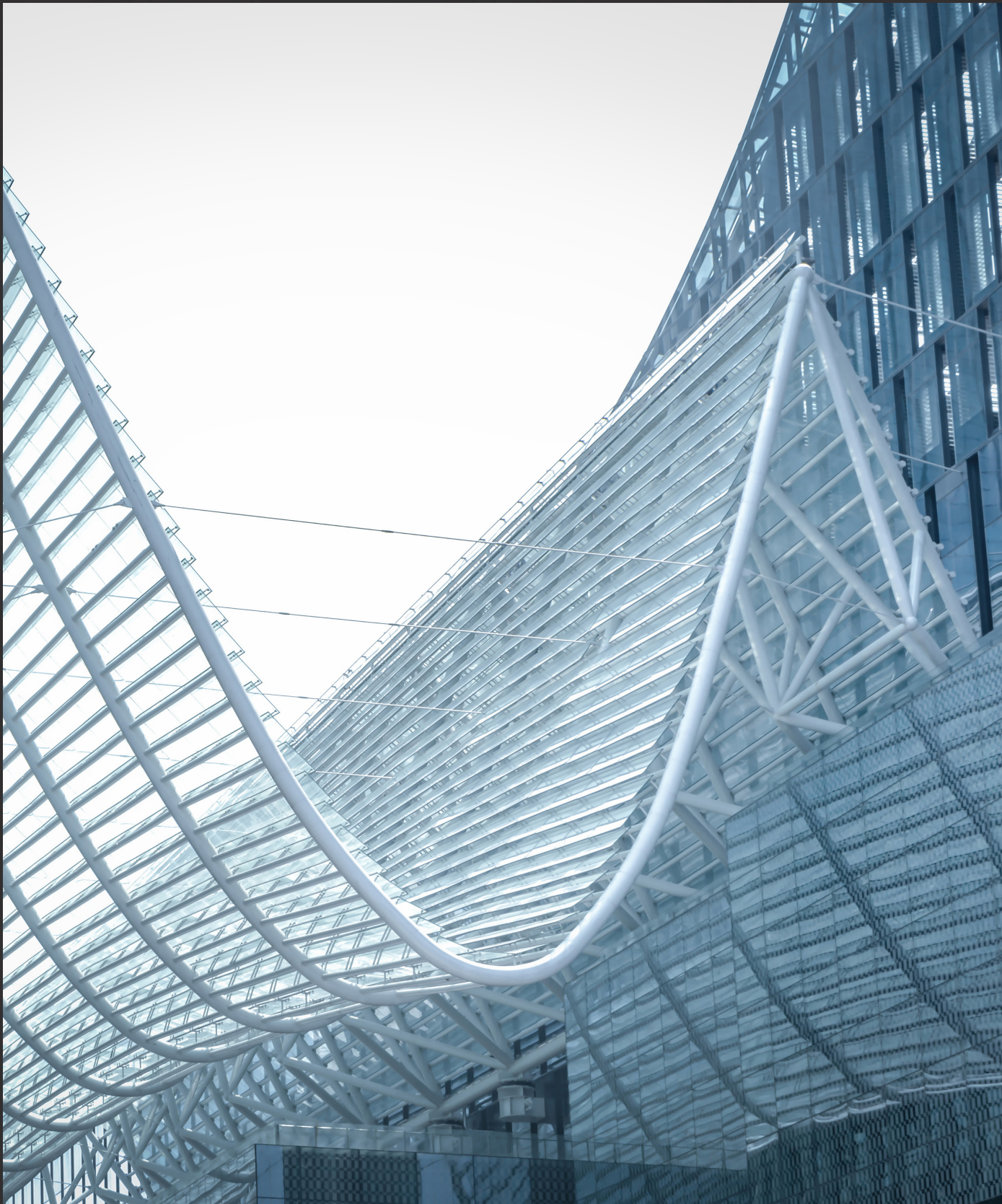
TECHNICAL DATA FOR STEEL PIPES FOR WATER AND SEWAGE,
CONFIRMING TO IS:3589 - 2001

OUTER DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES PLAIN END			
Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
169.56	168.3	167.03	2.6	12	10.60	94	64.62	15
169.56	168.3	167.03	3.2	10	12.00	83	73.15	14
169.56	168.3	167.03	4.0	8	16.20	62	98.76	10
169.56	168.3	167.03	4.5	7	18.20	55	110.95	9
220.74	219.1	217.45	2.6	12	13.90	72	84.73	12
220.74	219.1	217.45	3.6	9	19.TO	52	116.43	9
220.74	219.1	217.45	4.5	7	23.80	42	145.08	7
220.74	219.1	217.45	6.3	3	33.TO	30	201.78	5
275.04	273.0	270.95	3.6	9	23.90	42	145.69	7
275.04	273.0	270.95	4.0	8	26.50	38	161.54	6
275.04	273.0	270.95	5.0	6	33.00	30	201.17	5
275.04	273.0	270.95	6.3	3	41.10	24	250.55	4
326.32	323.9	321.47	4.0	8	31.80	31	193.85	5
326.32	323.9	321.47	4.5	7	35.40	28	215.80	5
326.32	323.9	321.47	5.6	5	44.00	23	268.22	4
326.32	323.9	321.47	7.1	2	55.50	18	338.33	3
358.26	355.6	352.93	4.0	8	34.70	29	211.53	5
358.26	355.6	352.93	5.0	6	43.20	23	263.35	4
358.26	355.6	352.93	5.6	5	48.30	21	294.44	3
358.26	355.6	352.93	8.0	0	68.60	15	418.19	2
409.44	406.4	403.35	4.0	8	39.70	25	242.01	4
409.44	406.4	403.35	5.0	6	49.50	20	301.75	3
409.44	406.4	403.35	6.3	3	62.20	16	379.17	3
409.44	406.4	403.35	8.8	0	86.30	12	526.08	2
460.42	457.0	453.57	4.0	8	44.70	22	272.49	4
460.42	457.0	453.57	5.0	6	55.70	8	339.55	3
460.42	457.0	453.57	6.3	3	70.00	14	426.72	2
460.42	457.0	453.57	10.0	0	110.00	9	670.56	1
511.81	508.0	504.19	5.0	6	62.00	16	377.95	3
511.81	508.0	504.19	5.6	5	69.40	14	423.06	2
511.81	508.0	504.19	6.3	3	77.90	13	474.88	2
511.81	508.0	504.19	11.0	0	135.00	7	822.96	1
614.575	610.0	605.43	5.8	4	83.50	12	509.02	2
614.575	610.0	605.43	6.3	3	93.80	11	571.80	2
614.575	610.0	605.43	12.5	0	184.00	5	1121.66	1

Manufacturing Tolerance shall be permitted on Thickness+/- 10 percent

Hydrostatic Test Pressure is 5 Mpa

We are equipped with inner weld scarfing (internal weld fin removal)
as per customer requirement.



TECHNICAL DATA FOR STEEL TUBES USED FOR WATER WELLS (CASING PIPES),
CONFORMING TO IS:4270 - 2001

NOMINAL BORE & SERIES	OUTER DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
100	113.2	114.3	115.4	5.00	6	13.48	74	82.17	12
125	139.9	141.3	142.7	5.00	6	16.80	60	102.41	10
150	166.6	168.3	170.0	5.00	6	20.13	50	122.71	8
175	191.8	193.7	195.6	5.40	5	25.10	40	153.01	7
200	216.9	219.1	221.3	5.40	5	28.46	35	173.49	6
225	242.1	244.5	246.9	6.00	4	35.29	28	215.13	5
250	270.4	273.1	275.8	7.10	2	46.57	21	283.89	4
300	320.7	323.9	327.1	7.10	2	55.47	18	338.15	3
350	352.0	355.6	359.2	8.00	0	68.57	15	418.00	2
350	352.0	355.6	359.2	10.00	0	85.22	12	519.50	2
350	352.0	355.6	359.2	12.00	0	101.67	10	619.78	2
400	402.3	406.4	410.5	8.00	0	78.60	13	479.15	2
400	402.3	406.4	410.5	10.00	0	97.75	10	595.88	2
400	402.3	406.4	410.5	12.00	0	116.71	9	711.46	2
450	452.4	457.0	461.6	10.00	0	110.28	9	672.27	1
450	452.4	457.0	461.6	12.00	0	131.74	8	803.09	1

Manufacturing Tolerance shall be permitted on Thickness +15% / -12.5%

Tolerance shall be permitted on Mass +10% / -8%

Hydrostatic test pressure is 7MPa

The Plain end pipes shall be supplied with both ends bevelled or both ends square
cut or one end bevelled and one square cut as required by the purchaser.

We are equipped with inner weld scarfing (internal weld fin removal)
as per customer requirement.

TECHNICAL DATA FOR STEEL TUBES FOR IDLERS FOR BELT CONVEYORS,
CONFORMING TO IS:9295 -2024

Outer Diameter			Wall Thickness		Nominal Mass of Steel Tubes Plain End			
Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
64.01	63.5	62.99	3.65	9	5.39	186	32.86	30
64.01	63.5	62.99	4.50	7	6.55	153	39.93	25
76.71	76.1	75.49	3.65	9	6.52	153	39.75	25
76.71	76.1	75.49	4.50	7	7.95	126	48.46	21
76.71	76.1	75.49	5.00	6	8.77	114	53.46	19
89.61	88.9	88.19	4.05	8	8.47	118	51.63	19
89.61	88.9	88.19	4.85	6	10.05	100	61.26	16
89.61	88.9	88.19	6.30	3	12.83	78	78.21	13
102.41	101.6	100.79	4.05	8	9.74	103	59.38	17
102.41	101.6	100.79	4.85	6	11.57	86	70.53	14
102.41	101.6	100.79	6.30	3	14.81	68	90.28	11
115.21	114.3	113.39	4.50	7	12.19	82	74.31	13
115.21	114.3	113.39	5.40	5	14.50	69	88.39	11
115.21	114.3	113.39	6.30	3	16.78	60	102.29	10
128.02	127.0	125.98	4.50	7	13.60	74	82.91	12
128.02	127.0	125.98	4.85	6	14.61	68	89.06	11
128.02	127.0	125.98	5.40	5	16.10	62	98.15	10
128.02	127.0	125.98	6.30	3	18.75	53	114.30	9
134.06	133.0	131.94	4.50	7	14.30	70	87.17	11
134.06	133.0	131.94	4.85	6	15.33	65	93.45	11
134.06	133.0	131.94	5.40	5	16.99	59	103.57	10
134.06	133.0	131.94	6.30	3	19.69	51	120.03	8
140.82	139.7	138.58	4.50	7	15.00	67	91.44	11
140.82	139.7	138.58	4.85	6	16.13	62	98.33	10
140.82	139.7	138.58	5.40	5	17.89	56	109.06	9
140.82	139.7	138.58	6.30	3	20.73	48	126.37	8
153.62	152.4	151.18	4.50	7	16.40	61	99.97	10
153.62	152.4	151.18	4.85	6	17.65	57	107.59	9
153.62	152.4	151.18	5.40	5	19.58	51	119.36	8
153.62	152.4	151.18	6.30	3	22.70	44	138.38	7
160.27	159.0	157.73	4.50	7	17.10	58	104.24	10
160.27	159.0	157.73	4.85	6	18.44	54	112.41	9
160.27	159.0	157.73	5.40	5	20.46	49	124.72	8
160.27	159.0	157.73	6.30	3	23.72	42	144.60	7

Outer Diameter			Wall Thickness		Nominal Mass of Steel Tubes Plain End			
Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt
166.42	165.1	163.78	4.50	7	17.80	56	108.51	9
166.42	165.1	163.78	4.85	6	19.17	52	116.86	9
166.42	165.1	163.78	5.40	5	21.27	47	129.66	8
166.42	165.1	163.78	6.30	3	24.67	41	150.39	7
169.65	168.3	166.95	4.50	7	18.20	55	110.95	9
169.65	168.3	166.95	4.85	6	19.55	51	119.18	8
169.65	168.3	166.95	5.40	5	21.69	46	132.22	8
169.65	168.3	166.95	6.30	3	25.17	40	153.44	7
195.25	193.7	192.15	5.00	6	23.30	43	142.04	7
195.25	193.7	192.15	5.40	5	25.10	40	153.01	7
195.25	193.7	192.15	6.30	3	29.12	34	177.52	6
195.25	193.7	192.15	7.10	2	32.67	31	199.16	5
220.85	219.1	217.35	5.40	5	28.50	35	173.74	6
220.85	219.1	217.35	6.30	3	33.06	30	201.53	5
220.85	219.1	217.35	7.10	2	37.12	27	226.28	4

Tolerance

Thickness (All Sizes) : ± 10%
Ovality Below 168.3 mm is 0.5 mm
Ovality including 168.3 mm and above is 1.0 mm

We are equipped with inner weld scarfing (internal weld fin removal)
as per customer requirement.



Comprehensive Size Range for CHS

[illegible]

Square Hollow Sections (SHS)

Introduction

METPRO square hollow sections ranging from **15x15 mm to 350x350 mm** and thickness ranging from 1.6mm to 12.7mm are extensively used in welded steel frames that experience load from multiple directions. The strength is spread uniformly across the pipes, making them a more suitable choice for columns. Superior quality, sturdiness, and ease of bending, punching and drilling makes us the perfect choice for every construction.



Yield Strength

210 MPa
to 800 MPa



Certified by BIS ISI Mark

IS 4923, IS 18573



In-house Quality Checks

On-line Eddy-Current &
Off-line chemical &
mechanical properties
checks, Hydro-Testing, UT, RT
(On Demand)

Applications



Airport Terminals,
Aero-bridges and
Metro Stations



Bus Bodies and
Automobile
Industries



Transmission
Line Towers



Cranes and
Towers



Material
Storage Racks



Pre-fabricated
houses

Square Hollow Sections (SHS)

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO
IS: 4923 -2017, DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
15.0	15.0	1.8	15.0	15.0	1.8	0.68	1471	4.1	241
15.0	15.0	2.0	15.0	15.0	2.0	0.73	1370	4.5	225
19.0	19.0	1.8	19.0	19.0	1.8	0.90	1111	5.5	182
19.0	19.0	2.0	19.0	19.0	2.0	0.98	1020	6.0	167
20.0	20.0	2.0	20.0	20.0	2.0	1.05	952	6.4	156
25.0	25.0	2.0	25.0	25.0	2.0	1.36	735	8.3	121
25.0	25.0	2.5	25.0	25.0	2.5	1.64	610	10.0	100
25.0	25.0	2.6	25.0	25.0	2.6	1.69	592	10.3	97
25.0	25.0	3.0	25.0	25.0	3.0	1.89	529	11.5	87
25.0	25.0	3.2	25.0	25.0	3.2	1.98	505	12.1	83
30.0	30.0	2.0	30.0	30.0	2.0	1.68	595	10.2	98
30.0	30.0	2.5	30.0	30.0	2.5	2.03	493	12.4	81
30.0	30.0	2.6	30.0	30.0	2.6	2.10	476	12.8	78
30.0	30.0	3.0	30.0	30.0	3.0	2.36	424	14.4	70
30.0	30.0	3.2	30.0	30.0	3.2	2.49	402	15.2	66
32.0	32.0	2.0	32.0	32.0	2.0	1.80	556	11.0	91
32.0	32.0	2.5	32.0	32.0	2.5	2.19	457	13.4	75
32.0	32.0	2.6	32.0	32.0	2.6	2.26	442	13.8	73
32.0	32.0	3.0	32.0	32.0	3.0	2.55	392	15.5	64
32.0	32.0	3.2	32.0	32.0	3.2	2.69	372	16.4	61
32.0	32.0	4.0	32.0	32.0	4.0	3.19	313	19.4	51
35.0	35.0	2.0	35.0	35.0	2.0	1.99	503	12.1	82
35.0	35.0	2.6	35.0	35.0	2.6	2.51	398	15.3	65
35.0	35.0	3.2	35.0	35.0	3.2	2.99	334	18.2	55
35.0	35.0	4.0	35.0	35.0	4.0	3.57	280	21.8	46
38.0	38.0	2.0	38.0	38.0	2.0	2.18	459	13.3	75
38.0	38.0	2.6	38.0	38.0	2.6	2.75	364	16.8	60
38.0	38.0	3.2	38.0	38.0	3.2	3.29	304	20.1	50
38.0	38.0	4.0	38.0	38.0	4.0	3.95	253	24.1	42
40.0	40.0	2.0	40.0	40.0	2.0	2.31	433	14.1	71
40.0	40.0	2.6	40.0	40.0	2.6	2.92	342	17.8	56
40.0	40.0	3.0	40.0	40.0	3.0	3.30	303	20.1	50
40.0	40.0	3.2	40.0	40.0	3.2	3.49	287	21.3	47
40.0	40.0	4.0	40.0	40.0	4.0	4.20	238	25.6	39
45.0	45.0	2.0	45.0	45.0	2.0	2.62	382	16.0	63
45.0	45.0	2.6	45.0	45.0	2.6	3.33	300	20.3	49
45.0	45.0	2.9	45.0	45.0	2.9	3.66	273	22.3	45
45.0	45.0	3.0	45.0	45.0	3.0	3.77	265	23.0	44
45.0	45.0	3.2	45.0	45.0	3.2	3.99	251	24.3	41
45.0	45.0	4.0	45.0	45.0	4.0	4.83	207	29.4	34
49.5	49.5	2.0	49.5	49.5	2.0	2.90	345	17.7	57
49.5	49.5	2.6	49.5	49.5	2.6	3.69	271	22.5	44

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO
IS: 4923 -2017, DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
49.5	49.5	3.0	49.5	49.5	3.0	4.20	238	25.6	39
49.5	49.5	3.2	49.5	49.5	3.2	4.45	225	27.1	37
49.5	49.5	4.0	49.5	49.5	4.0	5.39	186	32.9	30
49.5	49.5	5.0	49.5	49.5	5.0	6.48	154	39.5	25
50.0	50.0	2.0	50.0	50.0	2.0	2.93	341	17.9	56
50.0	50.0	2.5	50.0	50.0	2.5	3.60	278	21.9	46
50.0	50.0	3.2	50.0	50.0	3.2	4.50	222	27.4	36
50.0	50.0	4.0	50.0	50.0	4.0	5.45	183	33.2	30
50.0	50.0	5.0	50.0	50.0	5.0	6.56	152	40.0	25
60.0	60.0	2.0	60.0	60.0	2.0	3.56	281	21.7	46
60.0	60.0	2.5	60.0	60.0	2.5	4.39	228	26.8	37
60.0	60.0	3.0	60.0	60.0	3.0	5.19	193	31.6	32
60.0	60.0	4.0	60.0	60.0	4.0	6.71	149	40.9	24
60.0	60.0	5.0	60.0	60.0	5.0	8.13	123	49.6	20
60.0	60.0	6.0	60.0	60.0	6.0	9.45	106	57.6	17
60.0	60.0	6.3	60.0	60.0	6.3	9.82	102	59.9	17
63.5	63.5	2.5	63.5	63.5	2.5	4.66	215	28.4	35
63.5	63.5	3.2	63.5	63.5	3.2	5.85	171	35.7	28
63.5	63.5	3.6	63.5	63.5	3.6	6.51	154	39.7	25
63.5	63.5	4.5	63.5	63.5	4.5	7.93	126	48.3	21
70.0	70.0	2.5	70.0	70.0	2.5	5.17	193	31.5	32
70.0	70.0	3.0	70.0	70.0	3.0	6.13	163	37.4	27
70.0	70.0	4.0	70.0	70.0	4.0	7.97	125	48.6	21
70.0	70.0	5.0	70.0	70.0	5.0	9.70	103	59.1	17
70.0	70.0	6.0	70.0	70.0	6.0	11.33	88	69.1	14
70.0	70.0	6.3	70.0	70.0	6.3	11.80	85	71.9	14
72.0	72.0	2.5	72.0	72.0	2.5	5.33	188	32.5	31
72.0	72.0	3.0	72.0	72.0	3.0	6.32	158	38.5	26
72.0	72.0	3.2	72.0	72.0	3.2	6.71	149	40.9	24
72.0	72.0	4.0	72.0	72.0	4.0	8.22	122	50.1	20
72.0	72.0	4.8	72.0	72.0	4.8	9.66	104	58.9	17
72.0	72.0	5.0	72.0	72.0	5.0	10.01	100	61.0	16
75.0	75.0	3.0	75.0	75.0	3.0	6.60	152	40.2	25
75.0	75.0	3.2	75.0	75.0	3.2	7.01	143	42.7	23
75.0	75.0	3.6	75.0	75.0	3.6	7.81	128	47.6	21
75.0	75.0	4.5	75.0	75.0	4.5	9.55	105	58.2	17
80.0	80.0	3.0	80.0	80.0	3.0	7.07	141	43.1	23
80.0	80.0	4.0	80.0	80.0	4.0	9.22	108	56.2	18
80.0	80.0	5.0	80.0	80.0	5.0	11.27	89	68.7	15
80.0	80.0	6.0	80.0	80.0	6.0	13.21	76	80.5	12
80.0	80.0	6.3	80.0	80.0	6.3	13.78	73	84.0	12
80.0	80.0	8.0	80.0	80.0	8.0	16.79	60	102.4	10

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO
IS: 4923 -2017, DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
88.9	88.9	3.0	88.9	88.9	3.0	7.91	126	48.2	21
88.9	88.9	3.2	88.9	88.9	3.2	8.40	119	51.2	20
88.9	88.9	3.6	88.9	88.9	3.6	9.38	107	57.2	17
88.9	88.9	4.5	88.9	88.9	4.5	11.52	87	70.2	14
90.0	90.0	3.0	90.0	90.0	3.0	8.01	125	48.8	20
90.0	90.0	4.0	90.0	90.0	4.0	10.48	95	63.9	16
90.0	90.0	5.0	90.0	90.0	5.0	12.84	78	78.3	13
90.0	90.0	6.0	90.0	90.0	6.0	15.10	66	92.0	11
90.0	90.0	6.3	90.0	90.0	6.3	15.76	63	96.1	10
90.0	90.0	8.0	90.0	90.0	8.0	19.31	52	117.7	8
91.5	91.5	3.0	91.5	91.5	3.0	8.16	123	49.7	20
91.5	91.5	3.6	91.5	91.5	3.6	9.67	103	58.9	17
91.5	91.5	4.0	91.5	91.5	4.0	10.67	94	65.0	15
91.5	91.5	4.5	91.5	91.5	4.5	11.88	84	72.4	14
91.5	91.5	4.8	91.5	91.5	4.8	12.60	79	76.8	13
100.0	100.0	3.0	100.0	100.0	3.0	8.96	112	54.6	18
100.0	100.0	4.0	100.0	100.0	4.0	11.73	85	71.5	14
100.0	100.0	5.0	100.0	100.0	5.0	14.41	69	87.8	11
100.0	100.0	6.0	100.0	100.0	6.0	16.98	59	103.5	10
100.0	100.0	6.3	100.0	100.0	6.3	17.73	56	108.1	9
100.0	100.0	8.0	100.0	100.0	8.0	21.82	46	133.0	8
100.0	100.0	10.0	100.0	100.0	10.0	26.24	38	160.0	6
100.0	100.0	12.0	100.0	100.0	12.0	30.25	33	184.4	5
100.0	100.0	12.5	100.0	100.0	12.5	31.19	32	190.1	5
110.0	110.0	4.0	110.0	110.0	4.0	13.38	75	81.6	12
110.0	110.0	5.0	110.0	110.0	5.0	16.61	60	101.3	10
110.0	110.0	6.0	110.0	110.0	6.0	19.78	51	120.6	8
113.5	113.5	3.0	113.5	113.5	3.0	10.23	98	62.4	16
113.5	113.5	4.0	113.5	113.5	4.0	13.43	74	81.9	12
113.5	113.5	4.5	113.5	113.5	4.5	14.99	67	91.4	11
113.5	113.5	4.8	113.5	113.5	4.8	15.92	63	97.0	10
113.5	113.5	5.0	113.5	113.5	5.0	16.53	60	100.8	10
113.5	113.5	5.4	113.5	113.5	5.4	17.74	56	108.1	9
120.0	120.0	3.0	120.0	120.0	3.0	10.84	92	66.1	15
120.0	120.0	4.0	120.0	120.0	4.0	14.25	70	86.9	12
120.0	120.0	5.0	120.0	120.0	5.0	17.55	57	107.0	9
120.0	120.0	6.0	120.0	120.0	6.0	20.75	48	126.5	8
120.0	120.0	6.3	120.0	120.0	6.3	21.69	46	132.2	8
120.0	120.0	8.0	120.0	120.0	8.0	26.84	37	163.6	6
120.0	120.0	10.0	120.0	120.0	10.0	32.52	31	198.2	5
120.0	120.0	12.0	120.0	120.0	12.0	37.79	26	230.4	4
120.0	120.0	12.5	120.0	120.0	12.5	39.04	26	238.0	4

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO
IS: 4923 -2017, DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
125.0	125.0	3.0	125.0	125.0	3.0	11.31	88	68.9	15
125.0	125.0	4.5	125.0	125.0	4.5	16.62	60	101.3	10
125.0	125.0	5.0	125.0	125.0	5.0	18.34	55	111.8	9
125.0	125.0	6.0	125.0	125.0	6.0	21.69	46	132.2	8
132.0	132.0	4.0	132.0	132.0	4.0	15.75	63	96.0	10
132.0	132.0	4.5	132.0	132.0	4.5	17.61	57	107.4	9
132.0	132.0	4.8	132.0	132.0	4.8	18.71	53	114.1	9
132.0	132.0	5.0	132.0	132.0	5.0	19.43	51	118.4	8
132.0	132.0	5.4	132.0	132.0	5.4	20.88	48	127.3	8
132.0	132.0	6.0	132.0	132.0	6.0	23.01	43	140.3	7
140.0	140.0	4.0	140.0	140.0	4.0	16.76	60	102.2	10
140.0	140.0	5.0	140.0	140.0	5.0	20.69	48	126.1	8
140.0	140.0	6.0	140.0	140.0	6.0	24.52	41	149.5	7
140.0	140.0	6.3	140.0	140.0	6.3	25.65	39	156.4	6
140.0	140.0	8.0	140.0	140.0	8.0	31.87	31	194.3	5
140.0	140.0	10.0	140.0	140.0	10.0	38.80	26	236.5	4
140.0	140.0	12.0	140.0	140.0	12.0	45.32	22	276.3	4
140.0	140.0	12.5	140.0	140.0	12.5	46.89	21	285.8	3
140.0	140.0	16.0	140.0	140.0	16.0	57.13	18	348.3	3
150.0	150.0	4.0	150.0	150.0	4.0	18.01	56	109.8	9
150.0	150.0	5.0	150.0	150.0	5.0	22.26	45	135.7	7
150.0	150.0	6.0	150.0	150.0	6.0	26.40	38	160.9	6
150.0	150.0	6.3	150.0	150.0	6.3	27.63	36	168.4	6
150.0	150.0	7.0	150.0	150.0	7.0	30.44	33	185.6	5
150.0	150.0	8.0	150.0	150.0	8.0	34.38	29	209.6	5
150.0	150.0	10.0	150.0	150.0	10.0	41.94	24	255.7	4
150.0	150.0	12.0	150.0	150.0	12.0	49.09	20	299.3	3
150.0	150.0	12.5	150.0	150.0	12.5	50.81	20	309.7	3
150.0	150.0	16.0	150.0	150.0	16.0	62.15	16	378.9	3
160.0	160.0	4.0	160.0	160.0	4.0	19.27	52	117.5	9
160.0	160.0	5.0	160.0	160.0	5.0	23.83	42	145.3	7
160.0	160.0	6.0	160.0	160.0	6.0	28.29	35	172.5	6
160.0	160.0	6.3	160.0	160.0	6.3	29.60	34	180.4	6
160.0	160.0	8.0	160.0	160.0	8.0	36.89	27	224.9	4
160.0	160.0	10.0	160.0	160.0	10.0	45.08	22	274.8	4
160.0	160.0	12.0	160.0	160.0	12.0	52.86	19	322.2	3
160.0	160.0	12.5	160.0	160.0	12.5	54.74	18	333.7	3
160.0	160.0	16.0	160.0	160.0	16.0	67.18	15	409.5	2
180.0	180.0	4.0	180.0	180.0	4.0	21.78	46	132.8	8
180.0	180.0	5.0	180.0	180.0	5.0	26.97	37	164.4	6
180.0	180.0	6.0	180.0	180.0	6.0	32.05	31	195.4	5
180.0	180.0	6.3	180.0	180.0	6.3	33.56	30	204.6	5

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO
IS: 4923 -2017, DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
180.0	180.0	8.0	180.0	180.0	8.0	41.91	24	255.5	4
180.0	180.0	10.0	180.0	180.0	10.0	51.36	19	313.1	3
180.0	180.0	12.0	180.0	180.0	12.0	60.40	17	368.2	3
180.0	180.0	12.5	180.0	180.0	12.5	62.59	16	381.5	3
180.0	180.0	16.0	180.0	180.0	16.0	77.23	13	470.8	2
200.0	200.0	4.0	200.0	200.0	4.0	24.29	41	148.1	7
200.0	200.0	5.0	200.0	200.0	5.0	30.11	33	183.6	5
200.0	200.0	6.0	200.0	200.0	6.0	35.82	28	218.4	5
200.0	200.0	6.3	200.0	200.0	6.3	37.52	27	228.7	4
200.0	200.0	8.0	200.0	200.0	8.0	46.94	21	286.1	3
200.0	200.0	10.0	200.0	200.0	10.0	57.64	17	351.4	3
200.0	200.0	12.0	200.0	200.0	12.0	67.93	15	414.1	2
200.0	200.0	12.5	200.0	200.0	12.5	70.44	14	429.4	2
200.0	200.0	16.0	200.0	200.0	16.0	87.27	11	532.0	2
220.0	220.0	5.0	220.0	220.0	5.0	33.25	30	202.7	5
220.0	220.0	6.0	220.0	220.0	6.0	39.59	25	241.3	4
220.0	220.0	6.3	220.0	220.0	6.3	41.47	24	252.8	4
220.0	220.0	8.0	220.0	220.0	8.0	51.96	19	316.7	3
220.0	220.0	10.0	220.0	220.0	10.0	63.92	16	389.7	3
220.0	220.0	12.0	220.0	220.0	12.0	75.47	13	460.1	2
220.0	220.0	12.5	220.0	220.0	12.5	78.29	13	477.3	2
220.0	220.0	16.0	220.0	220.0	16.0	97.32	10	593.3	2
250.0	250.0	5.0	250.0	250.0	5.0	37.96	26	231.4	4
250.0	250.0	6.0	250.0	250.0	6.0	45.24	22	275.8	4
250.0	250.0	6.3	250.0	250.0	6.3	47.41	21	289.0	3
250.0	250.0	8.0	250.0	250.0	8.0	59.50	17	362.7	3
250.0	250.0	10.0	250.0	250.0	10.0	73.34	14	447.1	2
250.0	250.0	12.0	250.0	250.0	12.0	86.77	12	528.9	2
250.0	250.0	12.5	250.0	250.0	12.5	90.06	11	549.0	2
250.0	250.0	16.0	250.0	250.0	16.0	112.39	9	685.1	1
260.0	260.0	6.0	260.0	260.0	6.0	47.13	21	287.3	3
260.0	260.0	6.3	260.0	260.0	6.3	49.39	20	301.1	3
260.0	260.0	8.0	260.0	260.0	8.0	62.01	16	378.0	3
260.0	260.0	10.0	260.0	260.0	10.0	76.48	13	466.2	2
260.0	260.0	12.0	260.0	260.0	12.0	90.54	11	551.9	2
260.0	260.0	12.5	260.0	260.0	12.5	93.99	11	573.0	2
260.0	260.0	16.0	260.0	260.0	16.0	117.42	9	715.8	1
300.0	300.0	6.0	300.0	300.0	6.0	54.66	18	333.2	3
300.0	300.0	6.3	300.0	300.0	6.3	57.30	17	349.3	3
300.0	300.0	8.0	300.0	300.0	8.0	72.06	14	439.3	2
300.0	300.0	10.0	300.0	300.0	10.0	89.04	11	542.8	2
300.0	300.0	12.0	300.0	300.0	12.0	105.61	9	643.8	2

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFORMING TO
IS: 4923 -2017, DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
300.0	300.0	12.5	300.0	300.0	12.5	109.69	9	668.7	1
300.0	300.0	16.0	300.0	300.0	16.0	137.51	7	838.3	1
350.0	350.0	8.0	350.0	350.0	8.0	84.62	12	515.8	2
350.0	350.0	10.0	350.0	350.0	10.0	104.74	10	638.5	2
350.0	350.0	12.0	350.0	350.0	12.0	124.45	8	758.6	1
350.0	350.0	12.5	350.0	350.0	12.5	129.31	8	788.3	1
350.0	350.0	16.0	350.0	350.0	16.0	162.63	6	991.4	1

Following Manufacturing Tolerance shall be permitted on Thickness and Mass

Outside dimensions of sides : ± 1 percent of length of the side to be measured with a minimum of ± 0.5 mm	Thickness for all Sizes : ± 7.5 percent	Squareness of Corner : 90° ± 2°	Radii of Outside Corners : 3t max, where t is the thickness of section
	Weight on Individual Length : + 10 % & - 8%		
	Weight on On lots of 10 tones : ± 7.5 %		

Light & Heavy Thickness other than those given in the above table may be supplied as per customer requirements

We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.

TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL HOLLOW PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mtrs/t	kgs/20'	pcs/mt
20.0	20.0	0.9	20.0	20.0	0.9	0.52	1923	3.2	315
20.0	20.0	1.2	20.0	20.0	1.2	0.68	1471	4.1	241
20.0	20.0	1.4	20.0	20.0	1.4	0.78	1282	4.8	210
20.0	20.0	1.6	20.0	20.0	1.6	0.87	1149	5.3	189
20.0	20.0	1.8	20.0	20.0	1.8	0.96	1042	5.9	171
20.0	20.0	1.9	20.0	20.0	1.9	1.01	990	6.2	162
25.0	25.0	0.9	25.0	25.0	0.9	0.66	1515	4.0	249
25.0	25.0	1.2	25.0	25.0	1.2	0.87	1149	5.3	189
25.0	25.0	1.4	25.0	25.0	1.4	1.00	1000	6.1	164
25.0	25.0	1.6	25.0	25.0	1.6	1.12	893	6.8	146
25.0	25.0	1.8	25.0	25.0	1.8	1.25	800	7.6	131
25.0	25.0	1.9	25.0	25.0	1.9	1.31	763	8.0	125
30.0	30.0	1.2	30.0	30.0	1.2	1.06	943	6.5	155
30.0	30.0	1.4	30.0	30.0	1.4	1.22	820	7.4	134
30.0	30.0	1.6	30.0	30.0	1.6	1.37	730	8.4	120
30.0	30.0	1.8	30.0	30.0	1.8	1.53	654	9.3	107
30.0	30.0	1.9	30.0	30.0	1.9	1.60	625	9.8	103
32.0	32.0	1.2	32.0	32.0	1.2	1.13	885	6.9	145
32.0	32.0	1.4	32.0	32.0	1.4	1.31	763	8.0	125
32.0	32.0	1.6	32.0	32.0	1.6	1.48	676	9.0	111
32.0	32.0	1.8	32.0	32.0	1.8	1.64	610	10.0	100
32.0	32.0	1.9	32.0	32.0	1.9	1.72	581	10.5	95
35.0	35.0	1.2	35.0	35.0	1.2	1.24	806	7.6	132
35.0	35.0	1.4	35.0	35.0	1.4	1.44	694	8.8	114
35.0	35.0	1.6	35.0	35.0	1.6	1.63	613	9.9	101
35.0	35.0	1.8	35.0	35.0	1.8	1.81	552	11.0	91
35.0	35.0	1.9	35.0	35.0	1.9	1.90	526	11.6	86
38.0	38.0	1.2	38.0	38.0	1.2	1.36	735	8.3	121
38.0	38.0	1.4	38.0	38.0	1.4	1.57	637	9.6	104
38.0	38.0	1.6	38.0	38.0	1.6	1.78	562	10.9	92
38.0	38.0	1.8	38.0	38.0	1.8	1.98	505	12.1	83
38.0	38.0	1.9	38.0	38.0	1.9	2.08	481	12.7	79
40.0	40.0	1.2	40.0	40.0	1.2	1.43	699	8.7	115
40.0	40.0	1.4	40.0	40.0	1.4	1.66	602	10.1	99
40.0	40.0	1.6	40.0	40.0	1.6	1.88	532	11.5	87
40.0	40.0	1.8	40.0	40.0	1.8	2.09	478	12.7	78
40.0	40.0	1.9	40.0	40.0	1.9	2.20	455	13.4	75
45.0	45.0	1.2	45.0	45.0	1.2	1.62	617	9.9	101
45.0	45.0	1.4	45.0	45.0	1.4	1.88	532	11.5	87
45.0	45.0	1.6	45.0	45.0	1.6	2.13	469	13.0	77
45.0	45.0	1.8	45.0	45.0	1.8	2.38	420	14.5	69
45.0	45.0	1.9	45.0	45.0	1.9	2.50	400	15.2	66



TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL HOLLOW PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mtrs/t	kgs/20'	pcs/mt
49.5	49.5	1.2	49.5	49.5	1.2	1.79	559	10.9	92
49.5	49.5	1.4	49.5	49.5	1.4	2.07	483	12.6	79
49.5	49.5	1.6	49.5	49.5	1.6	2.35	426	14.3	70
49.5	49.5	1.8	49.5	49.5	1.8	2.63	380	16.0	62
49.5	49.5	1.9	49.5	49.5	1.9	2.77	361	16.9	59
50.0	50.0	1.2	50.0	50.0	1.2	1.81	552	11.0	91
50.0	50.0	1.4	50.0	50.0	1.4	2.10	476	12.8	78
50.0	50.0	1.6	50.0	50.0	1.6	2.38	420	14.5	69
50.0	50.0	1.8	50.0	50.0	1.8	2.66	376	16.2	62
50.0	50.0	1.9	50.0	50.0	1.9	2.80	357	17.1	59
60.0	60.0	1.2	60.0	60.0	1.2	2.19	457	13.4	75
60.0	60.0	1.4	60.0	60.0	1.4	2.54	394	15.5	65
60.0	60.0	1.6	60.0	60.0	1.6	2.88	347	17.6	57
60.0	60.0	1.8	60.0	60.0	1.8	3.22	311	19.6	51
60.0	60.0	1.9	60.0	60.0	1.9	3.39	295	20.7	48
63.5	63.5	1.2	63.5	63.5	1.2	2.32	431	14.1	71
63.5	63.5	1.4	63.5	63.5	1.4	2.69	372	16.4	61
63.5	63.5	1.6	63.5	63.5	1.6	3.06	327	18.7	54
63.5	63.5	1.8	63.5	63.5	1.8	3.42	292	20.8	48
63.5	63.5	1.9	63.5	63.5	1.9	3.60	278	21.9	46
63.5	63.5	2.4	63.5	63.5	2.4	4.49	223	27.4	37
70.0	70.0	1.2	70.0	70.0	1.2	2.56	391	15.6	64
70.0	70.0	1.4	70.0	70.0	1.4	2.98	336	18.2	55
70.0	70.0	1.6	70.0	70.0	1.6	3.38	296	20.6	49
70.0	70.0	1.8	70.0	70.0	1.8	3.79	264	23.1	43
70.0	70.0	1.9	70.0	70.0	1.9	3.99	251	24.3	41
70.0	70.0	2.4	70.0	70.0	2.4	4.98	201	30.4	33
72.0	72.0	1.2	72.0	72.0	1.2	2.64	379	16.1	62
72.0	72.0	1.4	72.0	72.0	1.4	3.06	327	18.7	54
72.0	72.0	1.6	72.0	72.0	1.6	3.49	287	21.3	47
72.0	72.0	1.8	72.0	72.0	1.8	3.90	256	23.8	42
72.0	72.0	1.9	72.0	72.0	1.9	4.11	243	25.1	40
72.0	72.0	2.4	72.0	72.0	2.4	5.13	195	31.3	32
75.0	75.0	1.2	75.0	75.0	1.2	2.75	364	16.8	60
75.0	75.0	1.4	75.0	75.0	1.4	3.20	313	19.5	51
75.0	75.0	1.6	75.0	75.0	1.6	3.64	275	22.2	45
75.0	75.0	1.8	75.0	75.0	1.8	4.07	246	24.8	40
75.0	75.0	1.9	75.0	75.0	1.9	4.29	233	26.2	38
75.0	75.0	2.5	75.0	75.0	2.5	5.56	180	33.9	30
75.0	75.0	2.9	75.0	75.0	2.9	6.40	156	39.0	26
80.0	80.0	1.2	80.0	80.0	1.2	2.94	340	17.9	56
80.0	80.0	1.4	80.0	80.0	1.4	3.42	292	20.8	48

TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL HOLLOW PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mtrs/t	kgs/20'	pcs/mt
80.0	80.0	1.6	80.0	80.0	1.6	3.89	257	23.7	42
80.0	80.0	1.8	80.0	80.0	1.8	4.35	230	26.5	38
80.0	80.0	1.9	80.0	80.0	1.9	4.59	218	28.0	36
80.0	80.0	2.0	80.0	80.0	2.0	4.82	207	29.4	34
80.0	80.0	2.5	80.0	80.0	2.5	5.96	168	36.3	28
80.0	80.0	2.9	80.0	80.0	2.9	6.85	146	41.8	24
88.9	88.9	1.2	88.9	88.9	1.2	3.28	305	20.0	50
88.9	88.9	1.4	88.9	88.9	1.4	3.81	262	23.2	43
88.9	88.9	1.6	88.9	88.9	1.6	4.33	231	26.4	38
88.9	88.9	1.8	88.9	88.9	1.8	4.86	206	29.6	34
88.9	88.9	1.9	88.9	88.9	1.9	5.12	195	31.2	32
88.9	88.9	2.0	88.9	88.9	2.0	5.38	186	32.8	30
88.9	88.9	2.5	88.9	88.9	2.5	6.66	150	40.6	25
88.9	88.9	2.9	88.9	88.9	2.9	7.66	131	46.7	21
90.0	90.0	1.2	90.0	90.0	1.2	3.32	301	20.2	49
90.0	90.0	1.4	90.0	90.0	1.4	3.86	259	23.5	42
90.0	90.0	1.6	90.0	90.0	1.6	4.39	228	26.8	37
90.0	90.0	1.8	90.0	90.0	1.8	4.92	203	30.0	33
90.0	90.0	1.9	90.0	90.0	1.9	5.18	193	31.6	32
90.0	90.0	2.0	90.0	90.0	2.0	5.45	183	33.2	30
90.0	90.0	2.5	90.0	90.0	2.5	6.74	148	41.1	24
90.0	90.0	2.9	90.0	90.0	2.9	7.76	129	47.3	21
91.5	91.5	1.2	91.5	91.5	1.2	3.37	297	20.5	49
91.5	91.5	1.4	91.5	91.5	1.4	3.92	255	23.9	42
91.5	91.5	1.6	91.5	91.5	1.6	4.46	224	27.2	37
91.5	91.5	1.8	91.5	91.5	1.8	5.00	200	30.5	33
91.5	91.5	1.9	91.5	91.5	1.9	5.27	190	32.1	31
91.5	91.5	2.0	91.5	91.5	2.0	5.54	181	33.8	30
91.5	91.5	2.5	91.5	91.5	2.5	6.86	146	41.8	24
91.5	91.5	2.9	91.5	91.5	2.9	7.90	127	48.2	21
100.0	100.0	1.2	100.0	100.0	1.2	3.69	271	22.5	44
100.0	100.0	1.4	100.0	100.0	1.4	4.29	233	26.2	38
100.0	100.0	1.6	100.0	100.0	1.6	4.89	204	29.8	34
100.0	100.0	1.8	100.0	100.0	1.8	5.48	182	33.4	30
100.0	100.0	1.9	100.0	100.0	1.9	5.78	173	35.2	28
100.0	100.0	2.0	100.0	100.0	2.0	6.07	165	37.0	27
100.0	100.0	2.5	100.0	100.0	2.5	7.53	133	45.9	22
100.0	100.0	2.9	100.0	100.0	2.9	8.67	115	52.9	19
113.5	113.5	1.6	113.5	113.5	1.6	5.57	180	34.0	29
113.5	113.5	1.8	113.5	113.5	1.8	6.25	160	38.1	26
113.5	113.5	1.9	113.5	113.5	1.9	6.58	152	40.1	25
113.5	113.5	2.0	113.5	113.5	2.0	6.92	145	42.2	24

**TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF SQUARE HOLLOW SECTIONS (SHS)**

Dimension			Depth of Section	Width of Section	Thickness of Section	Nominal Mass of Steel Hollow Plain End			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mtrs/t	kgs/20'	pcs/mt
113.5	113.5	2.5	113.5	113.5	2.5	8.59	116	52.4	19
113.5	113.5	2.9	113.5	113.5	2.9	9.90	101	60.4	17
120.0	120.0	1.8	120.0	120.0	1.8	6.62	151	40.4	25
120.0	120.0	1.9	120.0	120.0	1.9	6.97	143	42.5	24
120.0	120.0	2.0	120.0	120.0	2.0	7.33	136	44.7	22
120.0	120.0	2.5	120.0	120.0	2.5	9.10	110	55.5	18
120.0	120.0	2.9	120.0	120.0	2.9	10.49	95	63.9	16
125.0	125.0	2.0	125.0	125.0	2.0	7.64	131	46.6	21
125.0	125.0	2.5	125.0	125.0	2.5	9.49	105	57.9	17
125.0	125.0	2.9	125.0	125.0	2.9	10.95	91	66.8	15
132.0	132.0	3.2	132.0	132.0	3.2	12.73	79	77.6	13
132.0	132.0	3.6	132.0	132.0	3.6	14.25	70	86.9	12
132.0	132.0	3.9	132.0	132.0	3.9	15.38	65	93.8	11
140.0	140.0	3.2	140.0	140.0	3.2	13.54	74	82.5	12
140.0	140.0	3.6	140.0	140.0	3.6	15.16	66	92.4	11
140.0	140.0	3.9	140.0	140.0	3.9	16.36	61	99.7	10
150.0	150.0	3.2	150.0	150.0	3.2	14.54	69	88.6	11
150.0	150.0	3.6	150.0	150.0	3.6	16.29	61	99.3	10
150.0	150.0	3.9	150.0	150.0	3.9	17.58	57	107.2	9
160.0	160.0	3.2	160.0	160.0	3.2	15.55	64	94.8	11
160.0	160.0	3.6	160.0	160.0	3.6	17.42	57	106.2	9
160.0	160.0	3.9	160.0	160.0	3.9	18.81	53	114.7	9
180.0	180.0	3.6	180.0	180.0	3.6	19.68	51	120.0	8
180.0	180.0	3.9	180.0	180.0	3.9	21.26	47	129.6	8

Following Manufacturing Tolerance shall be permitted on Thickness and Mass

Outside dimensions of sides : ± 1 percent of length of the side to be measured with a minimum of ± 0.5 mm	Thickness for all Sizes : ± 10 percent	Squareness of Corner : 90° ± 2°	Radii of Outside Corners : 3t max, where t is the thickness of section
	Weight on Individual Length : + 10 % & - 8%		

**Thickness other than those given in the above table may be supplied
as per customer requirements**

We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.

[illegible]

Rectangular Hollow Sections (RHS)

• Introduction

METPRO rectangular hollow steel sections that range from **26x13 mm to 400x300 mm** with thickness upto 12.7 mm, give a futuristic edge to construct structures of any design and elevation. Superior quality, sturdiness, and ease of bending, punching and drilling makes us the perfect choice for every construction.



Yield Strength

210 MPa
to 800 MPa



Certified by BIS ISI Mark

IS 4923, IS 18573



In-house Quality Checks

On-line Eddy-Current &
Off-line chemical &
mechanical properties
checks, Hydro-Testing,
UT, RT (On Demand)

• Applications



Airport Terminals,
Aero-bridges and
Metro Stations



Bus Bodies and
Automobile
Industries



Transmission
Line Towers



Cranes and
Towers



Material
Storage Racks



Pre-fabricated
houses

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFIRMING TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
25.0	12.0	0.8	25.0	12.0	0.8	0.45	2222	2.7	365
40.0	20.0	2.0	40.0	20.0	2.0	1.68	595	10.2	98
40.0	20.0	2.5	40.0	20.0	2.5	2.03	493	12.4	81
40.0	20.0	3.0	40.0	20.0	3.0	2.36	424	14.4	70
40.0	25.0	2.9	40.0	25.0	2.9	2.75	364	16.8	60
40.0	25.0	3.2	40.0	25.0	3.2	3.00	333	18.3	55
50.0	25.0	2.0	50.0	25.0	2.0	2.15	465	13.1	76
50.0	25.0	2.5	50.0	25.0	2.5	2.62	382	16.0	63
50.0	25.0	2.9	50.0	25.0	2.9	2.98	336	18.2	55
50.0	25.0	3.2	50.0	25.0	3.2	3.24	309	19.8	51
50.0	25.0	4.0	50.0	25.0	4.0	3.88	258	23.7	42
50.0	30.0	2.0	50.0	30.0	2.0	2.31	433	14.1	71
50.0	30.0	2.5	50.0	30.0	2.5	2.82	355	17.2	58
50.0	30.0	3.0	50.0	30.0	3.0	3.30	303	20.1	50
50.0	30.0	4.0	50.0	30.0	4.0	4.20	238	25.6	39
66.0	33.0	2.0	66.0	33.0	2.0	2.90	345	17.7	57
66.0	33.0	2.6	66.0	33.0	2.6	3.69	271	22.5	44
66.0	33.0	2.9	66.0	33.0	2.9	4.07	246	24.8	40
66.0	33.0	3.6	66.0	33.0	3.6	4.93	203	30.1	33
66.0	33.0	4.0	66.0	33.0	4.0	5.39	186	32.9	30
66.0	33.0	4.5	66.0	33.0	4.5	5.95	168	36.3	28
60.0	40.0	2.0	60.0	40.0	2.0	2.93	341	17.9	56
60.0	40.0	2.5	60.0	40.0	2.5	3.60	278	21.9	46
60.0	40.0	2.9	60.0	40.0	2.9	4.12	243	25.1	40
60.0	40.0	3.0	60.0	40.0	3.0	4.25	235	25.9	39
60.0	40.0	4.0	60.0	40.0	4.0	5.45	183	33.2	30
60.0	40.0	5.0	60.0	40.0	5.0	6.56	152	40.0	25
70.0	30.0	2.0	70.0	30.0	2.0	2.93	341	17.9	56
70.0	30.0	2.5	70.0	30.0	2.5	3.60	278	21.9	46
70.0	30.0	2.9	70.0	30.0	2.9	4.12	243	25.1	40
70.0	30.0	3.2	70.0	30.0	3.2	4.50	222	27.4	36
70.0	30.0	4.0	70.0	30.0	4.0	5.45	183	33.2	30
70.0	50.0	2.0	70.0	50.0	2.0	3.56	281	21.7	46
70.0	50.0	2.5	70.0	50.0	2.5	4.39	228	26.8	37
70.0	50.0	3.2	70.0	50.0	3.2	5.50	182	33.5	30
70.0	50.0	4.0	70.0	50.0	4.0	6.71	149	40.9	24
70.0	50.0	5.0	70.0	50.0	5.0	8.13	123	49.6	20
75.0	25.0	2.6	75.0	25.0	2.6	3.73	268	22.7	44
75.0	40.0	2.9	75.0	40.0	2.9	4.22	237	25.7	39
75.0	50.0	2.9	75.0	50.0	2.9	5.25	190	32.0	31
75.0	50.0	3.2	75.0	50.0	3.2	5.75	174	35.1	29
75.0	50.0	4.0	75.0	50.0	4.0	7.02	142	42.8	23
80.0	40.0	2.0	80.0	40.0	2.0	3.56	281	21.7	46

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFIRMING TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
80.0	40.0	2.5	80.0	40.0	2.5	4.39	228	26.8	37
80.0	40.0	2.9	80.0	40.0	2.9	5.03	199	30.7	33
80.0	40.0	3.0	80.0	40.0	3.0	5.19	193	31.6	32
80.0	40.0	3.2	80.0	40.0	3.2	5.50	182	33.5	30
80.0	40.0	4.0	80.0	40.0	4.0	6.71	149	40.9	24
80.0	40.0	5.0	80.0	40.0	5.0	8.13	123	49.6	20
80.0	50.0	2.0	80.0	50.0	2.0	3.88	258	23.7	42
80.0	50.0	2.5	80.0	50.0	2.5	4.78	209	29.1	34
80.0	50.0	3.0	80.0	50.0	3.0	5.66	177	34.5	29
80.0	50.0	4.0	80.0	50.0	4.0	7.34	136	44.7	22
80.0	50.0	4.5	80.0	50.0	4.5	8.14	123	49.6	20
80.0	50.0	5.0	80.0	50.0	5.0	8.92	112	54.4	18
80.0	60.0	2.0	80.0	60.0	2.0	4.19	239	25.5	39
80.0	60.0	2.5	80.0	60.0	2.5	5.17	193	31.5	32
80.0	60.0	3.0	80.0	60.0	3.0	6.13	163	37.4	27
80.0	60.0	4.0	80.0	60.0	4.0	7.97	125	48.6	21
80.0	60.0	5.0	80.0	60.0	5.0	9.70	103	59.1	17
90.0	50.0	2.0	90.0	50.0	2.0	4.19	239	25.5	39
90.0	50.0	2.5	90.0	50.0	2.5	5.17	193	31.5	32
90.0	50.0	3.0	90.0	50.0	3.0	6.13	163	37.4	27
90.0	50.0	4.0	90.0	50.0	4.0	7.97	125	48.6	21
90.0	50.0	5.0	90.0	50.0	5.0	9.70	103	59.1	17
92.0	48.0	2.4	92.0	48.0	2.4	5.12	195	31.2	32
96.0	48.0	2.0	96.0	48.0	2.0	4.32	231	26.3	38
96.0	48.0	2.5	96.0	48.0	2.5	5.33	188	32.5	31
96.0	48.0	3.2	96.0	48.0	3.2	6.71	149	40.9	24
96.0	48.0	4.0	96.0	48.0	4.0	8.22	122	50.1	20
96.0	48.0	4.8	96.0	48.0	4.8	9.66	104	58.9	17
100.0	40.0	2.5	100.0	40.0	2.5	5.17	193	31.5	32
100.0	40.0	3.0	100.0	40.0	3.0	6.13	163	37.4	27
100.0	40.0	4.0	100.0	40.0	4.0	7.97	125	48.6	21
100.0	40.0	5.0	100.0	40.0	5.0	9.70	103	59.1	17
100.0	50.0	2.5	100.0	50.0	2.5	5.57	180	34.0	29
100.0	50.0	3.2	100.0	50.0	3.2	7.01	143	42.7	23
100.0	50.0	4.0	100.0	50.0	4.0	8.59	116	52.4	19
100.0	60.0	2.5	100.0	60.0	2.5	5.96	168	36.3	28
100.0	60.0	3.0	100.0	60.0	3.0	7.07	141	43.1	23
100.0	60.0	4.0	100.0	60.0	4.0	9.22	108	56.2	18
100.0	60.0	5.0	100.0	60.0	5.0	11.27	89	68.7	15
100.0	60.0	6.0	100.0	60.0	6.0	13.21	76	80.5	12
100.0	60.0	6.3	100.0	60.0	6.3	13.78	73	84.0	12
100.0	80.0	2.5	100.0	80.0	2.5	6.74	148	41.1	24
100.0	80.0	3.0	100.0	80.0	3.0	8.01	125	48.8	20

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFIRMING
TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
100.0	80.0	4.0	100.0	80.0	4.0	10.48	95	63.9	16
100.0	80.0	5.0	100.0	80.0	5.0	12.84	78	78.3	13
100.0	80.0	6.0	100.0	80.0	6.0	15.10	66	92.0	11
100.0	80.0	6.3	100.0	80.0	6.3	15.76	63	96.1	10
115.0	60.0	3.0	115.0	60.0	3.0	8.01	125	48.8	20
115.0	60.0	4.0	115.0	60.0	4.0	10.58	95	64.5	16
115.0	60.0	5.0	115.0	60.0	5.0	13.11	76	79.9	13
115.0	69.0	2.5	115.0	69.0	2.5	6.89	145	42.0	24
120.0	60.0	2.5	120.0	60.0	2.5	6.74	148	41.1	24
120.0	60.0	3.0	120.0	60.0	3.0	8.01	125	48.8	20
120.0	60.0	4.0	120.0	60.0	4.0	10.48	95	63.9	16
120.0	60.0	5.0	120.0	60.0	5.0	12.48	80	76.1	13
120.0	60.0	6.0	120.0	60.0	6.0	15.10	66	92.0	11
120.0	60.0	6.3	120.0	60.0	6.3	15.76	63	96.1	10
120.0	60.0	8.0	120.0	60.0	8.0	19.31	52	117.7	8
120.0	80.0	3.0	120.0	80.0	3.0	8.96	112	54.6	18
120.0	80.0	4.0	120.0	80.0	4.0	11.73	85	71.5	14
120.0	80.0	5.0	120.0	80.0	5.0	14.41	69	87.8	11
120.0	80.0	6.0	120.0	80.0	6.0	16.98	59	103.5	10
120.0	80.0	6.3	120.0	80.0	6.3	17.73	56	108.1	9
120.0	80.0	8.0	120.0	80.0	8.0	21.82	46	133.0	8
122.0	61.0	2.5	122.0	61.0	2.5	6.86	146	41.8	24
122.0	61.0	3.0	122.0	61.0	3.0	8.16	123	49.7	20
122.0	61.0	3.6	122.0	61.0	3.6	9.67	103	58.9	17
122.0	61.0	4.0	122.0	61.0	4.0	10.67	94	65.0	15
122.0	61.0	4.5	122.0	61.0	4.5	11.88	84	72.4	14
122.0	61.0	5.0	122.0	61.0	5.0	13.08	76	79.7	13
122.0	61.0	5.4	122.0	61.0	5.4	14.01	71	85.4	12
127.0	50.0	3.0	127.0	50.0	3.0	6.62	151	40.4	25
127.0	50.0	3.6	127.0	50.0	3.6	7.87	127	48.0	21
127.0	50.0	4.6	127.0	50.0	4.6	11.69	86	71.3	14
130.0	50.0	3.0	130.0	50.0	3.0	8.01	125	48.8	20
140.0	60.0	2.5	140.0	60.0	2.5	7.53	133	45.9	22
140.0	60.0	4.0	140.0	60.0	4.0	11.73	85	71.5	14
140.0	60.0	5.0	140.0	60.0	5.0	14.41	69	87.8	11
140.0	80.0	4.0	140.0	80.0	4.0	12.99	77	79.2	13
140.0	80.0	5.0	140.0	80.0	5.0	15.98	63	97.4	10
140.0	80.0	6.0	140.0	80.0	6.0	18.87	53	115.0	9
140.0	80.0	6.3	140.0	80.0	6.3	19.71	51	120.2	8
140.0	80.0	8.0	140.0	80.0	8.0	24.33	41	148.3	7
145.0	82.0	4.0	145.0	82.0	4.0	13.43	74	81.9	12
145.0	82.0	4.8	145.0	82.0	4.8	15.92	63	97.0	10
145.0	82.0	5.0	145.0	82.0	5.0	16.53	60	100.8	10

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFIRMING
TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
145.0	82.0	5.4	145.0	82.0	5.4	17.74	56	108.1	9
150.0	50.0	3.0	150.0	50.0	3.0	9.17	109	55.9	18
150.0	50.0	5.0	150.0	50.0	5.0	15.04	66	91.7	11
150.0	60.0	3.0	150.0	60.0	3.0	9.43	106	57.5	17
150.0	75.0	3.0	150.0	75.0	3.0	10.13	99	61.8	16
150.0	75.0	4.5	150.0	75.0	4.5	14.85	67	90.5	11
150.0	75.0	6.0	150.0	75.0	6.0	19.33	52	117.8	8
150.0	100.0	4.0	150.0	100.0	4.0	13.62	73	83.0	12
150.0	100.0	5.0	150.0	100.0	5.0	16.77	60	102.2	10
150.0	100.0	6.0	150.0	100.0	6.0	19.81	50	120.8	8
150.0	100.0	6.3	150.0	100.0	6.3	20.70	48	126.2	8
150.0	100.0	8.0	150.0	100.0	8.0	25.59	39	156.0	6
150.0	100.0	10.0	150.0	100.0	10.0	30.95	32	188.7	5
150.0	100.0	12.0	150.0	100.0	12.0	35.90	28	218.8	5
150.0	100.0	12.5	150.0	100.0	12.5	37.08	27	226.0	4
160.0	80.0	4.0	160.0	80.0	4.0	14.25	70	86.9	12
160.0	80.0	5.0	160.0	80.0	5.0	17.55	57	107.0	9
160.0	80.0	6.0	160.0	80.0	6.0	20.75	48	126.5	8
160.0	80.0	6.3	160.0	80.0	6.3	21.69	46	132.2	8
160.0	80.0	8.0	160.0	80.0	8.0	26.84	37	163.6	6
160.0	80.0	10.0	160.0	80.0	10.0	32.52	31	198.2	5
160.0	80.0	12.5	160.0	80.0	12.5	39.04	26	238.0	4
172.0	92.0	4.0	172.0	92.0	4.0	15.75	63	96.0	10
172.0	92.0	4.8	172.0	92.0	4.8	18.71	53	114.1	9
172.0	92.0	5.0	172.0	92.0	5.0	19.43	51	118.4	8
172.0	92.0	5.4	172.0	92.0	5.4	20.88	48	127.3	8
180.0	80.0	4.8	180.0	80.0	4.8	18.97	53	115.6	9
180.0	80.0	5.4	180.0	80.0	5.4	21.27	47	129.7	8
180.0	100.0	4.0	180.0	100.0	4.0	16.76	60	102.2	10
180.0	100.0	5.0	180.0	100.0	5.0	20.69	48	126.1	8
180.0	100.0	6.0	180.0	100.0	6.0	24.52	41	149.5	7
180.0	100.0	6.3	180.0	100.0	6.3	25.65	39	156.4	6
180.0	100.0	8.0	180.0	100.0	8.0	31.87	31	194.3	5
180.0	100.0	10.0	180.0	100.0	10.0	38.80	26	236.5	4
180.0	100.0	12.0	180.0	100.0	12.0	45.32	22	276.3	4
180.0	100.0	12.5	180.0	100.0	12.5	46.89	21	285.8	3
200.0	100.0	4.0	200.0	100.0	4.0	18.01	56	109.8	9
200.0	100.0	5.0	200.0	100.0	5.0	22.26	45	135.7	7
200.0	100.0	6.0	200.0	100.0	6.0	26.40	38	160.9	6
200.0	100.0	6.3	200.0	100.0	6.3	27.63	36	168.4	6
200.0	100.0	8.0	200.0	100.0	8.0	34.38	29	209.6	5
200.0	100.0	10.0	200.0	100.0	10.0	41.94	24	255.7	4
200.0	100.0	12.5	200.0	100.0	12.5	50.81	20	309.7	3

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFIRMING
TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
200.0	120.0	4.0	200.0	120.0	4.0	19.27	52	117.5	9
200.0	120.0	5.0	200.0	120.0	5.0	23.83	42	145.3	7
200.0	120.0	6.0	200.0	120.0	6.0	28.29	35	172.5	6
200.0	120.0	6.3	200.0	120.0	6.3	29.60	34	180.4	6
200.0	120.0	8.0	200.0	120.0	8.0	36.89	27	224.9	4
200.0	120.0	10.0	200.0	120.0	10.0	45.08	22	274.8	4
200.0	120.0	12.0	200.0	120.0	12.0	52.86	19	322.2	3
200.0	120.0	12.5	200.0	120.0	12.5	54.74	18	333.7	3
200.0	150.0	6.0	200.0	150.0	6.0	31.53	32	192.2	5
200.0	150.0	8.0	200.0	150.0	8.0	41.65	24	253.9	4
200.0	150.0	10.0	200.0	150.0	10.0	51.56	19	314.3	3
220.0	140.0	4.0	220.0	140.0	4.0	21.78	46	132.8	8
220.0	140.0	5.0	220.0	140.0	5.0	26.97	37	164.4	6
220.0	140.0	6.0	220.0	140.0	6.0	32.05	31	195.4	5
220.0	140.0	6.3	220.0	140.0	6.3	33.56	30	204.6	5
220.0	140.0	8.0	220.0	140.0	8.0	41.91	24	255.5	4
240.0	120.0	4.0	240.0	120.0	4.0	21.78	46	132.8	8
240.0	120.0	5.0	240.0	120.0	5.0	26.97	37	164.4	6
240.0	120.0	6.0	240.0	120.0	6.0	32.05	31	195.4	5
240.0	120.0	8.0	240.0	120.0	8.0	41.91	24	255.5	4
250.0	150.0	5.0	250.0	150.0	5.0	30.11	33	183.6	5
250.0	150.0	6.0	250.0	150.0	6.0	35.82	28	218.4	5
250.0	150.0	6.3	250.0	150.0	6.3	37.52	27	228.7	4
250.0	150.0	8.0	250.0	150.0	8.0	46.94	21	286.1	3
250.0	150.0	10.0	250.0	150.0	10.0	57.64	17	351.4	3
250.0	150.0	12.0	250.0	150.0	12.0	67.93	15	414.1	2
250.0	150.0	12.5	250.0	150.0	12.5	70.44	14	429.4	2
250.0	200.0	6.0	250.0	200.0	6.0	40.54	25	247.1	4
250.0	200.0	8.0	250.0	200.0	8.0	53.66	19	327.1	3
260.0	180.0	5.0	260.0	180.0	5.0	33.25	30	202.7	5
260.0	180.0	6.0	260.0	180.0	6.0	39.59	25	241.3	4
260.0	180.0	6.3	260.0	180.0	6.3	41.47	24	252.8	4
260.0	180.0	8.0	260.0	180.0	8.0	51.96	19	316.7	3
260.0	180.0	10.0	260.0	180.0	10.0	63.92	16	389.7	3
260.0	180.0	12.0	260.0	180.0	12.0	56.63	18	345.2	3
260.0	180.0	12.5	260.0	180.0	12.5	78.29	13	477.3	2
300.0	100.0	6.0	300.0	100.0	6.0	35.82	28	218.4	5
300.0	100.0	6.3	300.0	100.0	6.3	37.52	27	228.7	4
300.0	100.0	8.0	300.0	100.0	8.0	46.94	21	286.1	3
300.0	100.0	10.0	300.0	100.0	10.0	57.64	17	351.4	3
300.0	100.0	12.0	300.0	100.0	12.0	67.93	15	414.1	2
300.0	100.0	12.5	300.0	100.0	12.5	70.44	14	429.4	2
300.0	150.0	6.0	300.0	150.0	6.0	40.53	25	247.1	4

TECHNICAL DATA FOR HOLLOW STEEL SECTIONS FOR STRUCTURAL USE CONFIRMING
TO IS: 4923 - 2017, DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
300.0	150.0	6.3	300.0	150.0	6.3	42.46	24	258.8	4
300.0	150.0	8.0	300.0	150.0	8.0	53.22	19	324.4	3
300.0	150.0	10.0	300.0	150.0	10.0	65.49	15	399.2	3
300.0	150.0	12.0	300.0	150.0	12.0	77.35	13	471.5	2
300.0	150.0	12.5	300.0	150.0	12.5	80.25	12	489.2	2
300.0	200.0	6.0	300.0	200.0	6.0	45.24	22	275.8	4
300.0	200.0	6.3	300.0	200.0	6.3	47.41	21	289.0	3
300.0	200.0	8.0	300.0	200.0	8.0	59.50	17	362.7	3
300.0	200.0	10.0	300.0	200.0	10.0	73.34	14	447.1	2
300.0	200.0	12.0	300.0	200.0	12.0	86.77	12	528.9	2
300.0	200.0	12.5	300.0	200.0	12.5	90.06	11	549.0	2
350.0	250.0	6.0	350.0	250.0	6.0	54.66	18	333.2	3
350.0	250.0	6.3	350.0	250.0	6.3	57.30	17	349.3	3
350.0	250.0	8.0	350.0	250.0	8.0	72.06	14	439.3	2
350.0	250.0	10.0	350.0	250.0	10.0	89.04	11	542.8	2
350.0	250.0	12.0	350.0	250.0	12.0	105.61	9	643.8	2
350.0	250.0	12.5	350.0	250.0	12.5	109.69	9	668.7	1
350.0	250.0	16.0	350.0	250.0	16.0	137.51	7	838.3	1
400.0	200.0	8.0	400.0	200.0	8.0	72.06	14	439.3	2
400.0	200.0	10.0	400.0	200.0	10.0	89.04	11	542.8	2
400.0	200.0	12.0	400.0	200.0	12.0	105.61	9	643.8	2
400.0	200.0	12.5	400.0	200.0	12.5	109.69	9	668.7	1
400.0	200.0	16.0	400.0	200.0	16.0	137.51	7	838.3	1
400.0	300.0	8.0	400.0	300.0	8.0	84.62	12	515.8	2
400.0	300.0	10.0	400.0	300.0	10.0	104.74	10	638.5	2
400.0	300.0	12.0	400.0	300.0	12.0	124.45	8	758.6	1
400.0	300.0	12.5	400.0	300.0	12.5	129.31	8	788.3	1
400.0	300.0	16.0	400.0	300.0	16.0	162.63	6	991.4	1
450.0	250.0	8.0	400.0	300.0	8.0	84.62	12	515.8	2
450.0	250.0	10.0	400.0	300.0	10.0	104.74	10	638.5	2
450.0	250.0	12.0	400.0	300.0	12.0	124.45	8	758.6	1
450.0	250.0	12.5	400.0	300.0	12.5	129.31	8	788.3	1
450.0	250.0	16.0	400.0	300.0	16.0	162.63	6	991.4	1

Following Manufacturing Tolerance shall be permitted on Thickness and Mass

Outside dimensions of sides : ± 1 percent of length of the side to be measured with a minimum of ± 0.5 mm	Thickness for all Sizes : ± 7.5 percent	Squareness of Corner : 90° ± 2°
	Weight on On lots of 10 tones : ± 7.5 %	
Radii of Outside Corners : 3t max, where t is the thickness of section	Weight: ± 6 % on individual delivered lengths	

Light & Heavy Thickness other than those given in the above table may be supplied as per customer requirements

We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.

TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
25.0	12.0	0.8	25.0	12.0	0.8	0.45	2222	2.7	365
40.0	20.0	1.2	40.0	20.0	1.2	1.06	943	6.5	155
40.0	20.0	1.4	40.0	20.0	1.4	1.22	820	7.4	134
40.0	20.0	1.6	40.0	20.0	1.6	1.37	730	8.4	120
40.0	20.0	1.8	40.0	20.0	1.8	1.53	654	9.3	107
40.0	20.0	1.9	40.0	20.0	1.9	1.60	625	9.8	103
50.0	25.0	1.2	50.0	25.0	1.2	1.34	746	8.2	122
50.0	25.0	1.4	50.0	25.0	1.4	1.55	645	9.4	106
50.0	25.0	1.6	50.0	25.0	1.6	1.75	571	10.7	94
50.0	25.0	1.8	50.0	25.0	1.8	1.95	513	11.9	84
50.0	25.0	1.9	50.0	25.0	1.9	2.05	488	12.5	80
50.0	30.0	1.2	50.0	30.0	1.2	1.43	699	8.7	115
50.0	30.0	1.4	50.0	30.0	1.4	1.66	602	10.1	99
50.0	30.0	1.6	50.0	30.0	1.6	1.88	532	11.5	87
50.0	30.0	1.8	50.0	30.0	1.8	2.09	478	12.7	78
50.0	30.0	1.9	50.0	30.0	1.9	2.20	455	13.4	75
60.0	40.0	1.2	60.0	40.0	1.2	1.81	552	11.0	91
60.0	40.0	1.4	60.0	40.0	1.4	2.10	476	12.8	78
60.0	40.0	1.6	60.0	40.0	1.6	2.38	420	14.5	69
60.0	40.0	1.8	60.0	40.0	1.8	2.66	376	16.2	62
60.0	40.0	1.9	60.0	40.0	1.9	2.80	357	17.1	59
66.0	33.0	1.2	66.0	33.0	1.2	1.79	559	10.9	92
66.0	33.0	1.4	66.0	33.0	1.4	2.07	483	12.6	79
66.0	33.0	1.6	66.0	33.0	1.6	2.35	426	14.3	70
66.0	33.0	1.8	66.0	33.0	1.8	2.63	380	16.0	62
66.0	33.0	1.9	66.0	33.0	1.9	2.77	361	16.9	59
70.0	30.0	1.2	70.0	30.0	1.2	1.81	552	11.0	91
70.0	30.0	1.4	70.0	30.0	1.4	1.66	602	10.1	99
70.0	30.0	1.6	70.0	30.0	1.6	1.88	532	11.5	87
70.0	30.0	1.8	70.0	30.0	1.8	2.09	478	12.7	78
70.0	30.0	1.9	70.0	30.0	1.9	2.20	455	13.4	75
70.0	50.0	1.2	70.0	50.0	1.2	2.19	457	13.4	75
70.0	50.0	1.4	70.0	50.0	1.4	2.54	394	15.5	65
70.0	50.0	1.6	70.0	50.0	1.6	2.88	347	17.6	57
70.0	50.0	1.8	70.0	50.0	1.8	3.22	311	19.6	51
70.0	50.0	1.9	70.0	50.0	1.9	3.39	295	20.7	48
80.0	40.0	1.2	80.0	40.0	1.2	2.19	457	13.4	75
80.0	40.0	1.4	80.0	40.0	1.4	2.54	394	15.5	65
80.0	40.0	1.6	80.0	40.0	1.6	2.88	347	17.6	57
80.0	40.0	1.8	80.0	40.0	1.8	3.22	311	19.6	51
80.0	40.0	1.9	80.0	40.0	1.9	3.39	295	20.7	48
80.0	50.0	1.2	80.0	50.0	1.2	2.37	422	14.4	69
80.0	50.0	1.4	80.0	50.0	1.4	2.76	362	16.8	59

TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
80.0	50.0	1.6	80.0	50.0	1.6	3.13	319	19.1	52
80.0	50.0	1.8	80.0	50.0	1.8	3.51	285	21.4	47
80.0	50.0	1.9	80.0	50.0	1.9	3.69	271	22.5	44
80.0	60.0	1.2	80.0	60.0	1.2	2.56	391	15.6	64
80.0	60.0	1.4	80.0	60.0	1.4	2.98	336	18.2	55
80.0	60.0	1.6	80.0	60.0	1.6	3.38	296	20.6	49
80.0	60.0	1.8	80.0	60.0	1.8	3.79	264	23.1	43
80.0	60.0	1.9	80.0	60.0	1.9	3.99	251	24.3	41
90.0	50.0	1.2	90.0	50.0	1.2	2.56	391	15.6	64
90.0	50.0	1.4	90.0	50.0	1.4	2.98	336	18.2	55
90.0	50.0	1.6	90.0	50.0	1.6	3.38	296	20.6	49
90.0	50.0	1.8	90.0	50.0	1.8	3.79	264	23.1	43
90.0	50.0	1.9	90.0	50.0	1.9	3.99	251	24.3	41
96.0	48.0	1.2	96.0	48.0	1.2	2.64	379	16.1	62
96.0	48.0	1.4	96.0	48.0	1.4	3.06	327	18.7	54
96.0	48.0	1.6	96.0	48.0	1.6	3.49	287	21.3	47
96.0	48.0	1.8	96.0	48.0	1.8	3.90	256	23.8	42
96.0	48.0	1.9	96.0	48.0	1.9	4.11	243	25.1	40
100.0	40.0	1.2	100.0	40.0	1.2	2.56	391	15.6	64
100.0	40.0	1.4	100.0	40.0	1.4	2.98	336	18.2	55
100.0	40.0	1.6	100.0	40.0	1.6	3.38	296	20.6	49
100.0	40.0	1.8	100.0	40.0	1.8	3.79	264	23.1	43
100.0	40.0	1.9	100.0	40.0	1.9	3.99	251	24.3	41
100.0	40.0	2.0	100.0	40.0	2.0	4.19	239	25.5	39
100.0	40.0	2.4	100.0	40.0	2.4	4.98	201	30.4	33
100.0	50.0	1.2	100.0	50.0	1.2	2.75	364	16.8	60
100.0	50.0	1.4	100.0	50.0	1.4	3.20	313	19.5	51
100.0	50.0	1.6	100.0	50.0	1.6	3.64	275	22.2	45
100.0	50.0	1.8	100.0	50.0	1.8	4.07	246	24.8	40
100.0	50.0	1.9	100.0	50.0	1.9	4.29	233	26.2	38
100.0	50.0	2.0	100.0	50.0	2.0	4.50	222	27.4	36
100.0	50.0	2.4	100.0	50.0	2.4	5.35	187	32.6	31
100.0	60.0	1.2	100.0	60.0	1.2	2.94	340	17.9	56
100.0	60.0	1.4	100.0	60.0	1.4	3.42	292	20.8	48
100.0	60.0	1.6	100.0	60.0	1.6	3.89	257	23.7	42
100.0	60.0	1.8	100.0	60.0	1.8	4.35	230	26.5	38
100.0	60.0	1.9	100.0	60.0	1.9	4.59	218	28.0	36
100.0	60.0	2.0	100.0	60.0	2.0	4.82	207	29.4	34
100.0	60.0	2.4	100.0	60.0	2.4	5.73	175	34.9	29
100.0	80.0	1.2	100.0	80.0	1.2	3.32	301	20.2	49
100.0	80.0	1.4	100.0	80.0	1.4	3.86	259	23.5	42
100.0	80.0	1.6	100.0	80.0	1.6	4.39	228	26.8	37
100.0	80.0	1.8	100.0	80.0	1.8	4.92	203	30.0	33

TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
100.0	80.0	1.9	100.0	80.0	1.9	5.18	193	31.6	32
100.0	80.0	2.0	100.0	80.0	2.0	5.45	183	33.2	30
100.0	80.0	2.4	100.0	80.0	2.4	6.48	154	39.5	25
120.0	60.0	1.2	120.0	60.0	1.2	3.32	301	20.2	49
120.0	60.0	1.4	120.0	60.0	1.4	3.86	259	23.5	42
120.0	60.0	1.6	120.0	60.0	1.6	4.39	228	26.8	37
120.0	60.0	1.8	120.0	60.0	1.8	4.92	203	30.0	33
120.0	60.0	1.9	120.0	60.0	1.9	5.18	193	31.6	32
120.0	60.0	2.0	120.0	60.0	2.0	5.45	183	33.2	30
120.0	60.0	2.4	120.0	60.0	2.4	6.48	154	39.5	25
120.0	80.0	1.2	120.0	80.0	1.2	3.69	271	22.5	44
120.0	80.0	1.4	120.0	80.0	1.4	4.29	233	26.2	38
120.0	80.0	1.6	120.0	80.0	1.6	4.89	204	29.8	34
120.0	80.0	1.8	120.0	80.0	1.8	5.48	182	33.4	30
120.0	80.0	1.9	120.0	80.0	1.9	5.78	173	35.2	28
120.0	80.0	2.0	120.0	80.0	2.0	6.07	165	37.0	27
120.0	80.0	2.4	120.0	80.0	2.4	7.24	138	44.1	23
120.0	80.0	2.9	120.0	80.0	2.9	8.67	115	52.9	19
122.0	61.0	1.2	122.0	61.0	1.2	3.37	297	20.5	49
122.0	61.0	1.4	122.0	61.0	1.4	3.92	255	23.9	42
122.0	61.0	1.6	122.0	61.0	1.6	4.46	224	27.2	37
122.0	61.0	1.8	122.0	61.0	1.8	5.00	200	30.5	33
122.0	61.0	1.9	122.0	61.0	1.9	5.27	190	32.1	31
122.0	61.0	2.0	122.0	61.0	2.0	5.54	181	33.8	30
122.0	61.0	2.4	122.0	61.0	2.4	6.60	152	40.2	25
127.0	50.0	1.2	127.0	50.0	1.2	3.26	307	19.9	50
127.0	50.0	1.4	127.0	50.0	1.4	3.79	264	23.1	43
127.0	50.0	1.6	127.0	50.0	1.6	4.31	232	26.3	38
127.0	50.0	1.8	127.0	50.0	1.8	4.83	207	29.4	34
127.0	50.0	1.9	127.0	50.0	1.9	5.09	196	31.0	32
127.0	50.0	2.0	127.0	50.0	2.0	5.35	187	32.6	31
127.0	50.0	2.4	127.0	50.0	2.4	6.37	157	38.8	26
127.0	50.0	2.9	127.0	50.0	2.9	7.62	131	46.5	22
140.0	80.0	1.6	140.0	80.0	1.6	5.39	186	32.9	30
140.0	80.0	2.0	140.0	80.0	2.0	6.70	149	40.8	24
140.0	80.0	2.9	140.0	80.0	2.9	9.58	104	58.4	17
140.0	80.0	3.2	140.0	80.0	3.2	10.52	95	64.1	16
140.0	80.0	3.6	140.0	80.0	3.6	11.76	85	71.7	14
140.0	80.0	3.9	140.0	80.0	3.9	12.68	79	77.3	13
145.0	82.0	1.6	145.0	82.0	1.6	5.57	180	34.0	29
145.0	82.0	2.0	145.0	82.0	2.0	6.92	145	42.2	24
145.0	82.0	2.9	145.0	82.0	2.9	9.90	101	60.4	17
145.0	82.0	3.2	145.0	82.0	3.2	10.88	92	66.3	15

TECHNICAL DATA FOR COLD FORMED WELDED CARBON STEEL SQUARE AND RECTANGULAR HOLLOW SECTIONS
FOR MECHANICAL, GENERAL ENGINEERING AND DECORATIVE PURPOSES CONFIRMING TO IS: 18573 -2024
DIMENSIONS AND PROPERTIES OF RECTANGULAR HOLLOW SECTIONS (RHS)

DIMENSION			DEPTH OF SECTION	WIDTH OF SECTION	THICKNESS OF SECTION	NOMINAL MASS OF STEEL TUBES PLAIN END			
mm	mm	mm	(D) mm	(B) mm	mm	kg/mtr	mts/t	kgs/20'	pcs/mt
145.0	82.0	3.6	145.0	82.0	3.6	12.16	82	74.1	13
145.0	82.0	3.9	145.0	82.0	3.9	13.11	76	79.9	13
150.0	100.0	1.6	150.0	100.0	1.6	6.15	163	37.5	27
150.0	100.0	2.0	150.0	100.0	2.0	7.64	131	46.6	21
150.0	100.0	2.9	150.0	100.0	2.9	10.95	91	66.8	15
150.0	100.0	3.2	150.0	100.0	3.2	12.03	83	73.3	14
150.0	100.0	3.6	150.0	100.0	3.6	13.46	74	82.1	12
150.0	100.0	3.9	150.0	100.0	3.9	14.52	69	88.5	11
160.0	80.0	1.6	160.0	80.0	1.6	5.90	169	36.0	28
160.0	80.0	2.0	160.0	80.0	2.0	7.33	136	44.7	22
160.0	80.0	2.9	160.0	80.0	2.9	10.49	95	63.9	16
160.0	80.0	3.2	160.0	80.0	3.2	11.53	87	70.3	14
160.0	80.0	3.6	160.0	80.0	3.6	12.90	78	78.6	13
160.0	80.0	3.9	160.0	80.0	3.9	13.91	72	84.8	12
172.0	92.0	3.2	172.0	92.0	3.2	12.73	79	77.6	13
172.0	92.0	3.6	172.0	92.0	3.6	14.25	70	86.9	12
172.0	92.0	3.9	172.0	92.0	3.9	15.38	65	93.8	11
180.0	100.0	3.2	180.0	100.0	3.2	13.54	74	82.5	12
180.0	100.0	3.6	180.0	100.0	3.6	15.16	66	92.4	11
180.0	100.0	3.9	180.0	100.0	3.9	16.36	61	99.7	10
200.0	100.0	3.6	200.0	100.0	3.6	16.29	61	99.3	10
200.0	100.0	3.9	200.0	100.0	3.9	17.58	57	107.2	9

Following Manufacturing Tolerance shall be permitted on Thickness and Mass

Outside dimensions of sides : ± 1 percent of length of the side to be measured with a minimum of ± 0.5 mm	Thickness for all Sizes : ± 10 percent	Squareness of Corner : 90° ± 2°
	Weight : ± 10 percent	
Radii of Outside Corners : 3t max, where t is the thickness of section	Weight: ± 6 % on individual delivered lengths	

Thickness other than those given in the above table may be supplied as per customer requirements

We are equipped with inner weld scarfing (internal weld fin removal) as per customer requirement.

SIZE/THK	2.5	2.6	2.9	3.2	3.6	4.0	4.5	4.8	5.0	5.4	6.0	8.0	10.0	12.7
40x20														
50x25														
60x40														
66x33														
75x25														
75x50														
80x40														
96x48														
100x50														
110x55														
122x61														
130x50														
140x60														
145x82														
150x75														
150x100														
172x92														
200x100														
200x120														
200x150														
240x120														
250x100														
250x150														
300x100														
300x150														
300x200														
350x250														
400x200														
400x300														
450x250														





Value addition is a part of MKK's vision since the start. Moving a step ahead, MKK has set up a new **9mtr semi-automatic galvanization plant** in Ranipet, Tamilnadu. Galvanization is the process of applying a protective zinc coating to steel or iron in order to prevent premature rust or corrosion. The corrosion of zinc is very slow which gives it an extended life while it protects the base metal which results in a low cost long-term.



Coating Thickness

65 µm - 150 µm



Certified by BIS ISI Mark

IS 1239, IS 1161, IS 3601



In-house Quality Checks

Uniformity test, stripping test, adhesion test, coating thickness, surface thickness

Applications



Household Structural Application in Coastal Regions



Greenhouse Structures



Transmission Line Towers



Structural applications (Solar power plant & wind mills)



Plumbing and Agricultural (Water & irrigation transport)

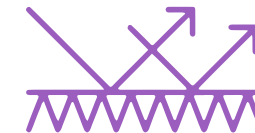
We have an in-house Galvanising Plant

MKK offers GI Round Sections in sizes ranging from **15mm NB to 450mm NB** and thickness and length as required by the customer. We also specialize in galvanizing of solar mounting structures, solar pump structures and such which are also manufactured in-house, making MKK a one stop solution for industrial structural needs.

Our Products



Environmentally Sustainable



Abrasion Resistant



Maintenance-Free Life of 15 Years



TECHNICAL DATA FOR STEEL TUBES FOR USES IN WATER, GAS, AIR & STEAM, CONFIRMING TO IS:1239(PART 1) 2004 EQUIVALENT TO BS:1387-1985

NOMINAL BORE & CLASS		OUTSIDE DIAMETER			WALL THICKNESS		BLACK TUBE				GALVANIZED TUBE				SOCKET	
							Plain End		Screwed & Socketed		Plain End		Screwed & Socketed		Min OD	Min Length
mm/in	Class	Max	Mean	Min	mm	swg	kg/mtr	mts/t	kgs/20'	pcs/mt	kg/mtr	mts/t	kgs/20'	pcs/mt	mm	swg
15 (1/2")	L	21.4	21.2	21.0	2.0	14	0.95	1056	0.96	1046	1.00	1001	1.01	992	27.0	37.0
15 (1/2")	M	21.8	21.4	21.0	2.6	12	1.21	826	1.22	820	1.26	791	1.27	785	27.0	37.0
15 (1/2")	H	21.8	21.4	21.0	3.2	10	1.44	694	1.45	690	1.49	669	1.50	665	27.0	37.0
20 (3/4")	L	26.9	26.7	26.4	2.3	13	1.38	725	1.39	719	1.44	694	1.45	689	32.5	39.0
20 (3/4")	M	27.3	26.9	26.5	2.6	12	1.56	641	1.57	637	1.62	617	1.63	613	32.5	39.0
20 (3/4")	H	27.3	26.9	26.5	3.2	10	1.87	535	1.88	532	1.92	520	1.93	517	32.5	39.0
25 (1")	L	33.8	33.5	33.2	2.6	12	1.98	505	2.00	500	2.06	485	2.08	480	39.5	46.0
25 (1")	M	34.2	33.8	33.3	3.2	10	2.41	415	2.43	412	2.50	401	2.52	398	39.5	46.0
25 (1")	H	34.2	33.8	33.3	4.0	8	2.93	341	2.95	339	3.03	330	3.05	328	39.5	46.0
32 (1.1/4")	L	42.5	42.2	41.9	2.6	12	2.54	394	2.57	389	2.64	379	2.67	374	49.0	51.0
32 (1.1/4")	M	42.9	42.5	42.0	3.2	10	3.10	323	3.13	319	3.21	312	3.24	309	49.0	51.0
32 (1.1/4")	H	42.9	42.5	42.0	4.0	8	3.79	264	3.82	262	3.89	257	3.92	255	49.0	51.0
40 (1.1/2")	L	48.4	48.1	47.8	2.9	11	3.23	310	3.27	306	3.36	298	3.40	294	56.0	51.0
40 (1.1/2")	M	48.8	48.4	47.9	3.2	10	3.56	281	3.60	278	3.68	272	3.72	269	56.0	51.0
40 (1.1/2")	H	48.8	48.4	47.9	4.0	8	4.37	229	4.41	227	4.49	223	4.53	221	56.0	51.0
50 (2")	L	60.2	59.9	59.6	2.9	11	4.08	245	4.15	241	4.23	237	4.30	233	68.0	60.0
50 (2")	M	60.8	60.3	59.7	3.6	9	5.03	199	5.10	196	5.17	194	5.24	191	68.0	60.0
50 (2")	H	60.8	60.3	59.7	4.5	7	6.19	162	6.26	160	6.35	158	6.42	156	68.0	60.0
65 (2.1/2")	L	76.0	75.6	75.2	3.2	10	5.71	175	5.83	172	5.90	170	6.02	166	84.0	69.0
65 (2.1/2")	M	76.6	76.0	75.3	3.6	9	6.42	156	6.54	153	6.62	151	6.74	148	84.0	69.0
65 (2.1/2")	H	76.6	76.0	75.3	4.5	7	7.93	126	8.05	124	8.10	124	8.22	122	84.0	69.0
80 (3")	L	88.7	88.3	87.9	3.2	10	6.72	149	6.89	145	6.95	144	7.12	140	98.0	75.0
80 (3")	M	89.5	88.8	88.0	4.0	8	8.36	120	8.53	117	8.59	116	8.76	114	98.0	75.0
80 (3")	H	89.5	88.8	88.0	4.8	6	9.90	101	10.40	96	10.11	99	10.61	94	98.0	75.0
100 (4")	L	113.9	113.5	113.0	3.6	9	9.75	103	10.00	100	10.28	97	10.59	94	124.0	87.0
100 (4")	M	115.0	114.1	113.1	4.5	7	12.20	82	12.50	80	12.76	78	13.26	75	124.0	87.0
100 (4")	H	115.0	114.1	113.1	5.4	5	14.50	69	14.80	68	15.25	66	15.55	64	124.0	87.0
125 (5")	M	140.8	139.7	138.5	4.8	6	15.90	63	16.40	61	16.65	60	17.15	58	151.0	96.0
125 (5")	H	140.8	139.7	138.5	5.4	5	17.90	56	18.40	54	18.62	54	19.12	52	151.0	96.0
150 (6")	M	166.5	165.2	163.9	4.8	6	18.90	53	19.50	51	19.70	51	20.30	49	178.0	96.0
150 (6")	H	166.5	165.2	163.9	5.4	5	21.30	47	21.90	46	22.32	45	22.92	44	178.0	96.0

Following Manufacturing Tolerance shall be permitted on Thickness and Mass					
Class	Thickness	Mass Single Tube	Mass Per Load of 10T Min	Length Unless Otherwise Specified	Hydrostatic Test Pressure
L - Light	+Not Limited	+10 Percent	+7.5 Percent	4 to 7 Mtrs	5 MPa
	-8 Percent	-8 Percent	-5.0 Percent		
M - Medium	+Not Limited	+10 Percent	+7.5 Percent	4 to 7 Mtrs	5 MPa
H - Heavy	-Not Limited	-10 Percent	-7.5 Percent		



SOLAR
MODULE
MOUNTING
STRUCTURES

Today, being environmentally conscious and reducing our carbon footprints is the only way to go forward. With our ENVIRON range of products, METPRO is trying to do its part in maintaining a cleaner and greener Earth.

MKK builds module mounting structures that are the backbone of a solar power plant. These support structures raise solar panels at appropriate angles to ensure that they receive maximum solar irradiation.

OUR CAPACITY

1,00,000 MT of structure = 4 GW of energy

We're changing the world by making solar energy affordable



2 GW+

Solar systems



5.8 million+

Structures for solar modules



40 million+

CO2 tons offset over 10 years



5.5 billion+

Oil gallons offset over 10 years



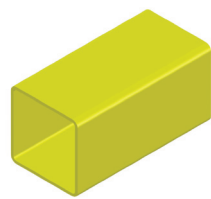
3 million+

Homes can be powered

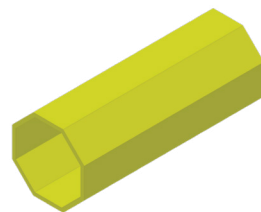
From receiving complex designs, to challenging specifications
**MKK has been able to deliver
what the world needs.**

TORQUE TUBES •

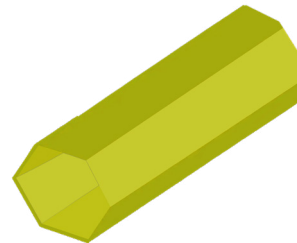
SQUARE



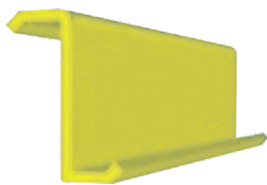
OCTAGONAL



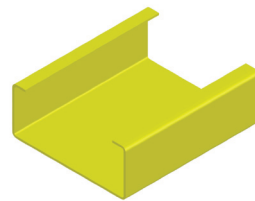
HEXAGONAL



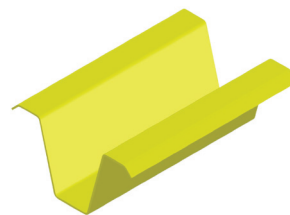
Z SECTIONS



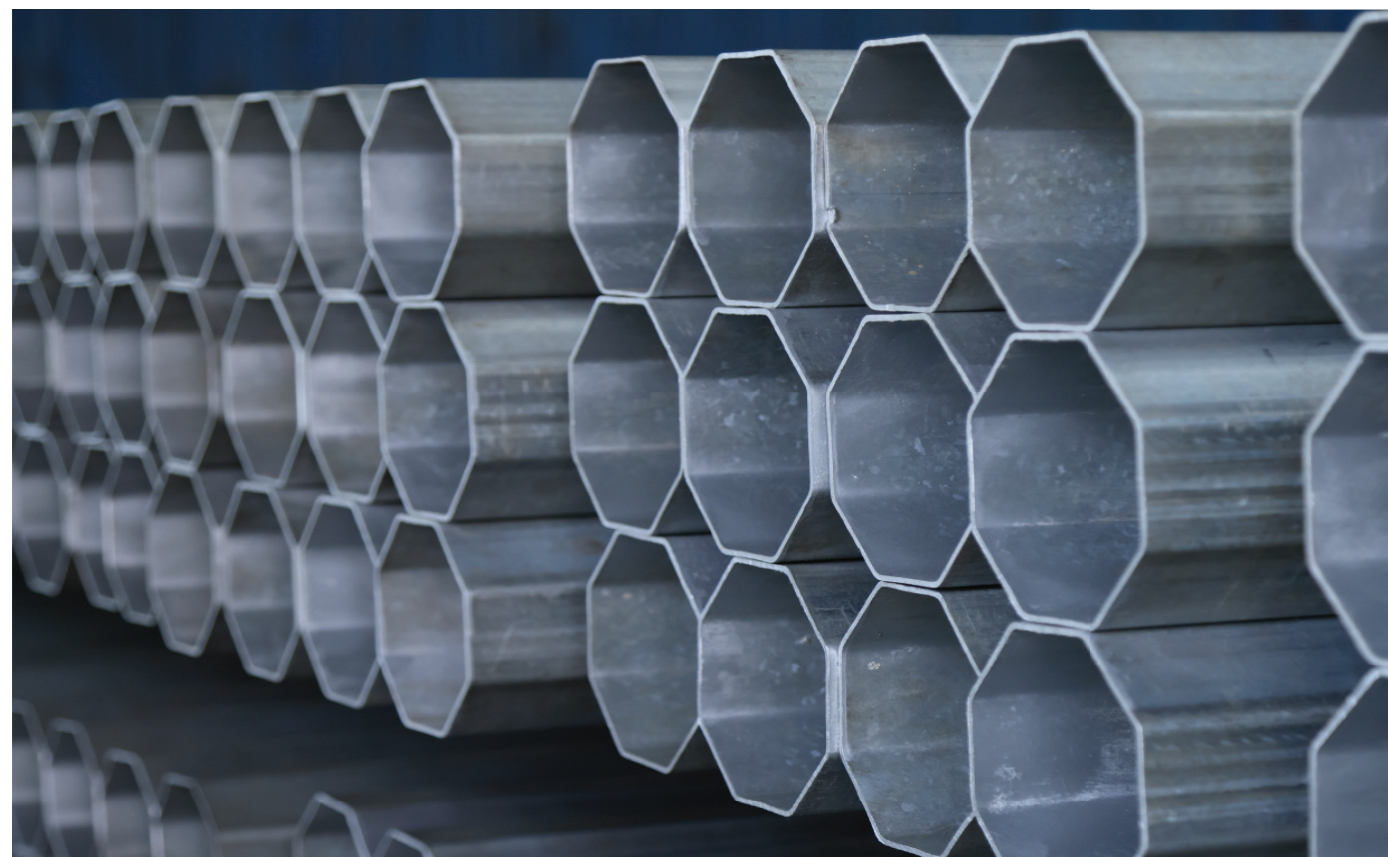
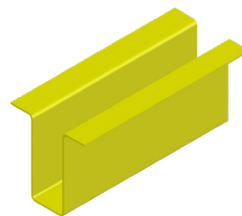
C & U SECTIONS



HAT



TOP HAT



**Clean Energy
& Climate Action has
never been more urgent.**

MKK is striving to bring new means for long term sustainability solutions in manufacturing



On Time



Cost Effective



Good Quality



Reliable



Sustainable



Durable





CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

Certificate No.: 2388-CPH-24-60333 Rev. 0.0
Initial certification date: 11-01-2024
Validity end date: 11-01-2027

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product(s)

Cold formed welded structural hollow sections of non-alloy & fine grain steels
to be use in metal structures or in composite metal and concrete structures

placed on the market under the name or trademark of

MKK METAL SECTIONS PRIVATE LIMITED

Plot no M1 & S99 - S108, SIPCOT Phase -III, Mukundarayapuram Post, Ranipet Dist-632405, Tamilnadu, India

and produced in the manufacturing plant(s)

MKK METAL SECTIONS PRIVATE LIMITED

Plot no M1 & S99 - S108, SIPCOT Phase -III, Mukundarayapuram Post, Ranipet Dist-632405, Tamilnadu, India

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

EN 10219-1:2006

under system 2+ are applied and that

THE FACTORY PRODUCTION CONTROL IS ASSESSED TO BE IN CONFORMITY WITH THE APPLICABLE REQUIREMENTS

This certificate will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

For more details see Appendix accompanying this Certificate.

Place and date:
Barenbrakke, 11-01-2024

Check Validity



Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV-BPA-CPR-05-04 rev 1

NOTIFIED BODY 2388 DNV Business Assurance B.V., Zwalmsing 1, 2094 LB Barenbrakke, The Netherlands, TEL: +31 10 2622 689 info@dnv.nl

Page: 2 of 2



Certificate No.: 2388-CPH-24-60333 Rev. 0.0
Place and date: Barenbrakke, 11-01-2024

Appendix to Certificate

Certificate history:

Revision	Description	Issue Date
0.0	Original Certificate	2024-09-02

Additional information to the scope of certificate

Harmonised Standard	Steel grade & quality	Shape	Tolerances, Dimensions and Sectional Properties	Thickness mm	Width mm	Ø mm	Black / Galvanized
EN10219-1:2006	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Hot finished circular hollow sections (CHS)	EN10219-2:2015	2.0-12.7	21.30 - 457		Black & Galvanized
	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Hot finished rectangular hollow sections (RHS)		2.0-12.7	40 x 20 to 400 x 200		Black & Galvanized
EN10219-1:2006	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Hot finished square hollow sections (SHS)	EN10219-2:2015	2.0-12.7	20 x 20 to 300 x 300		Black & Galvanized
	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Hot finished square hollow sections (SHS)		2.0-12.7	20 x 20 to 300 x 300		Black & Galvanized

Declaration of performance and marking of product

When meeting with the terms and conditions, as required, the manufacture shall draw up an EC declaration of product performance and legally affix the CE mark followed by the notified factory production control certification body identification number of DNV (2388).

End of Certificate

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV-BPA-CPR-05-04 rev 1

NOTIFIED BODY 2388 DNV Business Assurance B.V., Zwalmsing 1, 2094 LB Barenbrakke, The Netherlands, TEL: +31 10 2622 689 info@dnv.nl

Page: 2 of 2



CERTIFICATE OF FACTORY PRODUCTION CONTROL

Certificate No.: C658776 Rev. 0
Initial certification date: 2024-01-10
Valid: 2027-01-09

This certificate consists of 02 page(s)

This is to certify that the product(s)

Non-alloy Steel tubes suitable for Welding and Threading.

Manufactured by

MKK METAL SECTIONS PRIVATE LIMITED

Plot No M1 & S99 - S108, SIPCOT Phase III, Mukundarayapuram Post, Ranipet Dist-632405, Tamilnadu, India

has on a voluntary basis been assessed with respect to the conformity assessment procedure "Factory Production Control" as described in EN 10255:2004+A1:2007 annex 2A Clause 12.3 of the standard on structural steel, as amended and found to comply

Applications/Limitations

In compliance with the Construction Product Regulation 305/2011, CE marking & provide Declaration of Performance and Attestation procedure A03, which is described in the Standard EN 10255:2004 +A1:2007 according the Annex ZA; Initial Type Testing (ITT) Clause 12.2 shall meet the requirements and compliance of the same rests under responsibility of the Manufacturer.

This certificate remains valid during a three year period as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory production control itself are not modified significantly. The product liability rests with the manufacturer or his representative.

Place and date:
Ahmedabad; 10 January 2024

For the issuing office:
DNV Business Assurance India Pvt Ltd.

Manojkumar Panchal
Head of Section, Manager - Product Assurance

This Certificate is subject to terms and conditions overall. Any significant change in design or construction may render this Certificate invalid, except for any liability caused by DNV's gross negligence or willful misconduct. DNV's maximum cumulative liability arising out of or related to the use of or reliance on this document shall be limited under no circumstances exceed the amount of the fee.

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV BUSINESS ASSURANCE INDIA PVT LTD, 'NOMA' 10 GST Road, Chennai - 600 016, India, TEL:INT: +91 44 43980800

Page: 1 of 2



Certificate no.: C658776 Rev. 0
Project no.: PRJN-667566

Revision	Description	Issue Date
00	Initial Audit	2024-01-10

Products covered by this Certificate:

Product description	Product Type	Category	Applied standard
Non-Alloy Steel Tubes for welding & Threading (Black & Galvanized) Type L1 & L2 Material grade: Steel Name S195T and Steel Number 1.0026 Size (OD): 21.3 mm to 114.3 mm; for type L1 & L2 Wall Thickness: Specified as per Type L1 & L2 in the standard	Non alloy steel tubes suitable for welding, threading.	Voluntary Scheme	EN 10255:2004 + A1:2007

Sites covered by this Certificate:

Manufacturer :	MKK METAL SECTIONS PRIVATE LIMITED Plot No M1 & S99 - S108, SIPCOT Phase III, Mukundarayapuram Post, Ranipet Dist-632405, Tamilnadu, India
----------------	--

Terms and conditions

The certificate valid is subject to the following terms and conditions:

- Any producer /Manufacturer (see 2001/95/EC for a precise definition) is liable for damage caused by a defect in his product(s), in accordance with directive 85/374/EEC, as amended, concerning liability of defective products.
- The certificate is only valid for the products and/or manufacturing premises listed above.
- The manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient.
- The assessment scope of this certificate excludes Initial Type Testing and other condition as in the Application / Limitation. The Initial Type Testing (ITT) by notified laboratory as described in the standard shall be met which is under the responsibility of a manufacturer.
- The Manufacturer shall inform the local DNV office of any intended updating of the quality system and DNV will assess the changes and decide if the certificate remains valid.
- Periodical audits will be held, in order to verify that the Manufacturer maintains and applies the quality system. DNV reserves the right to perform unannounced visits.

The following may render this Statement invalid:

- Changes in the quality system affecting production.
- Periodical audits not held within the allowed time window.

END OF CERTIFICATE

This Certificate is subject to terms and conditions overall. Any significant change in design or construction may render this Certificate invalid, except for any liability caused by DNV's gross negligence or willful misconduct. DNV's maximum cumulative liability arising out of or related to the use of or reliance on this document shall be limited under no circumstances exceed the amount of the fee. Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV BUSINESS ASSURANCE INDIA PVT LTD, 'NOMA' 10 GST Road, Chennai - 600 016, India, TEL:INT: +91 44 43980800

Page: 2 of 2



CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

Certificate No.: 2388-CPH-24-60333 Rev. 0.0
Initial certification date: 02-08-2024
Validity end date: 02-08-2027

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product(s)

Hot finished structural hollow sections of non-alloy & fine grain steels
to be use in metal structures or in composite metal and concrete structures

placed on the market under the name or trademark of

MKK METAL SECTIONS PRIVATE LIMITED

Plot No M1 & S99 - S108, SIPCOT Phase III, Mukundarayapuram Post, Ranipet Dist-632405, Tamilnadu, India

and produced in the manufacturing plant(s)

MKK METAL SECTIONS PRIVATE LIMITED

Plot No M1 & S99 - S108, SIPCOT Phase III, Mukundarayapuram Post, Ranipet Dist-632405, Tamilnadu, India

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

EN 10210-1:2006

under system 2+ are applied and that

THE FACTORY PRODUCTION CONTROL IS ASSESSED TO BE IN CONFORMITY WITH THE APPLICABLE REQUIREMENTS

This certificate will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

For more details see Appendix accompanying this Certificate.

Place and date:
Barenbrakke, 02-08-2024

Check Validity



Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV-BPA-CPR-05-04 rev 1

NOTIFIED BODY 2388 DNV Business Assurance B.V., Zwalmsing 1, 2094 LB Barenbrakke, The Netherlands, TEL: +31 10 2622 689 info@dnv.nl

Page: 2 of 2



Certificate No.: 2388-CPH-24-60333 Rev. 0.0
Place and date: Barenbrakke, 11-01-2024

Appendix to Certificate

Certificate history:

Revision	Description	Issue Date
0.0	Original Certificate	2024-01-11

Additional information to the scope of certificate

Harmonised Standard	Steel grade & quality	Shape	Tolerances, Dimensions and Sectional Properties	Thickness mm	Width mm	Ø mm	Black / Galvanized
EN10219-1:2006	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Cold formed circular hollow sections (CHS)	EN10219-2:2015	2.0-12.7	21.30 - 457		Black & galvanized
	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Cold formed rectangular hollow sections (RHS)		2.0-12.7	40 x 20 to 400 x 200		Black & galvanized
EN10219-1:2006	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Cold formed square hollow sections (SHS)	EN10219-2:2015	2.0-12.7	20 x 20 to 300 x 300		Black & galvanized
	S235NL/S275NL/S275MLH/S275MLH S275MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S355MLH/S355MLH/S355MLH S400MLH/S400MLH/S400MLH S400MLH/S400MLH	Cold formed square hollow sections (SHS)		2.0-12.7	20 x 20 to 300 x 300		Black & galvanized

Declaration of performance and marking of product

When meeting with the terms and conditions, as required, the manufacture shall draw up an EC declaration of product performance and legally affix the CE mark followed by the notified factory production control certification body identification number of DNV (2388).

End of Certificate

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV-BPA-CPR-05-04 rev 1

NOTIFIED BODY 2388 DNV Business Assurance B.V., Zwalmsing 1, 2094 LB Barenbrakke, The Netherlands, TEL: +31 10 2622 689 info@dnv.nl

Page: 2 of 2



Chennai Metro Rail Limited
(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)
(ISO 9001:2015 and ISO 14001:2015 Certified)

T. Livingstone Eliazar
Chief General Manager (PP & D)
Lr. No. CMRL/CON/DES/930/2025
Tel: 044 24378326
livingstone.eliazar@cmrl.in
Date 15.02.2025

To Whomsoever it may concern

Sub: No objection to use products of "M/s MKK Metal Sections Private Limited" in CMRL Projects - Reg.

CMRL has "No objection" in usage of the following products of M/s MKK Metal Sections Private Limited by the contractors of Chennai Metro Project, provided the quality of the products meet the specifications as stipulated in the Contract.

- Structural steel
- Color Coated Roofing Sheets

The approval is subject to the following conditions.

- This approval is hereby accorded on the condition of maintaining of quality as per stipulated Standards.
- Mandatory quality checks will be carried out as and when required so as to satisfy the qualitative requirements.
- Satisfactory performance tests to be conducted as site/approved laboratory initially & from time to as per standard practice / codes and also as directed by the Engineer-in-charge.
- In case of negative feedback or deterioration in quality, this approval will stand cancelled automatically.
- CMRL reserves the right to suspend the usage on the basis of review any time.

However, it will not be binding on CMRL or their Contractors in any way for the usage of the above products in the project.

For Chennai Metro Rail Ltd.

CGM - Project Planning and Design

Copy to: DP/CMRL for kind information please.

T. LIVINGSTONE ELIAZER
Chief General Manager (PP&D)
CHENNAI METRO RAIL LIMITED
METROS, Anna Salai,
Nandanam, Chennai - 600035

METROS, Anna Salai, Nandanam, Chennai - 600 035.
Phone: 044-2437 8000 / Email: chennaimetro@cmrl.in / Website: www.chennaimetro.rail.org
CIN : U60100TN2007SGC065596

By: Regd. Post: A/D INTEGRAL COACH FACTORY www.ircfs.gov.in

File No: S/2024/23/8481084810

To: **M K K METAL SECTIONS PRIVATE LIMITED-RANIPET**
PLOT NO M-1, S99-S108, SIPCOT PHASE - III, MUKUNDARAYAPURAM POST, RANIPET 632405

Sub: Registration of your firm as approved supplier of stores.

Ref: Your Letter No. APPS230700012 dated 18-JUL-23

I, I am directed to inform you that, your application for enlistment of your concern in the approved list of supplier to this Railway has been carefully considered and it has been decided to enlist your firm on the list of approved suppliers with the details mentioned below:

Registration No.: 84810
Monetary limit/Category (per individual order): Category "A" (Value Limitation over Rs.100 Crores)
Validity: Upto 06/02/28

The following trade groups are allotted

Grp	Description of Trade Group
0120	Tubular Structures Pre-Fabricated
0207	G.I. Pipes and Fittings
0211	Stainless Steel Pipes and Fittings
0228	Pipes Seamless and E.R.W.

2.0 It should be noted that this registration is valid for the Trade Groups and monetary value as indicated above, and any quotation received for other than the above mentioned trade groups and monetary limit, will be treated at par with the offers received from un-registered firms and will be dealt accordingly.

3.0 The registration is subject to constant review from time to time in consistent with your performance for supply of stores to this Railway. Please note that you may apply for renewal of registration, well in advance, before the expiry of the present registration and ensure to attach the details of the orders executed by you during the last 3 years.

4.0 Please note that as an approved registered supplier of this Railway, you shall abide by the IRS Conditions of Contract supplemented by the Instructions to Tenderers contained in the IREPS website under the link (public documents/stores/supply).

5.0 You are also advised that any subsequent changes in the constitution of working of the firm should be promptly communicated to this office.

Copy to:

Yours sincerely,
Manojkumar Panchal
For PRINCIPAL CASE MATERIALS MANAGER

सहायक सामग्री प्रबंधक / सामग्री
Asst. Materials Manager / Genl.
सामग्री विभाग कार्यालय / के-38
Integral Coach Factory, Chennai-38.

UNMATCHED QUALITY
DULY CERTIFIED

MADE IN INDIA
INDIA
MADE IN INDIA

इंजीनियर्स इंडिया लिमिटेड
ENGINEERS INDIA LIMITED
(A Govt of India Undertaking)
एक सरकारी कंपनी
One Government Company

पंजीकृत कार्यालय : इंदिरावास, एथिराज, चण्णै, 1, एथिराज, चण्णै, चण्णै-600 008, तमिल नाडु
Regd. Office: Engineers India Bhawan, 1, Ethiraj Salai, Egmore, Chennai-600 008 INDIA

Procurement Development Department

Ref: 4994/PDD/1/EN/23-24/4158 Date: 15th January, 2024

M/s MKK Metal Sections Private Limited
3rd Floor, Fagun Mansion, 74,
Ethiraj Salai, Egmore, Tamil
Nadu Chennai-600008

Subject: Enlistment with EIL

Dear Sirs,

We refer to your application on subject matter and are pleased to inform that you have been enlisted with EIL for the items as described below:

Item Description	Size	Thickness	Grade
Pipe-Carbon Steel to Indian Standards	0.5-4"	2.0 - 4.8 mm	IS1239, ERW
	6-10"	2.6 - 6.4 mm	IS3589, ERW

(This enlistment is valid for your works located at Plot No.M1 & S99-108, Sipcot Phase III, Mukundarayapuram Post, Ranipet Tamil Nadu - 632405.

Any change in the product range, location of Works/Sales Office, Management/ Organization structure etc., shall be intimated to us immediately along with relevant document for our necessary action. Further, kindly update your contact details on regular basis so that you may keep on receiving EIL communications. Also, kindly ensure submission of your Audited Annual Report on yearly basis to enable us update your latest financial data.

Please note that this enlistment is subject to satisfactory execution of orders in delivery and quality of above items when ordered for various projects of EIL/our clients. You are expected to adopt ethics of highest standard and a very high degree of integrity, commitment & sincerity towards the work undertaken for projects under EIL execution, failing which, EIL shall be entitled to initiate actions as specified in EIL procedure for Suspension/Banning of business dealings, displayed on EIL website.

The validity of this ENLISTMENT is upto 31st January, 2027. You are advised to apply for revalidation "on-line", 6 months before expiry of the enlistment. Detailed procedures for revalidation can be seen on our website <https://enlist-eil.co.in/osems/>.

राजेश सिन्हा/RAJESH SINHA
एक सरकारी कंपनी/Chief GM & HOD (PDD)
इंजीनियर्स इंडिया लिमिटेड/ENGINEERS INDIA LIMITED
एक सरकारी कंपनी/Chief GM & HOD (PDD)
एथिराज, चण्णै, चण्णै-600 008, तमिल नाडु
Regd. Office: Engineers India Bhawan, 1, Ethiraj Salai, Egmore, Chennai-600 008 INDIA

Sheet 2 of 2

इंजीनियर्स इंडिया लिमिटेड
Delivering Excellence Through People

पंजीकृत कार्यालय / Regd. Office - फोन / Phone : +91-11-26762121 (EPABX)
CN : 1748901786502004327
ईमेल/Email : info@engineersindia.com
वेबसाइट/Website : www.engineersindia.com
फॉलो/US : [/EngineersIND](https://www.facebook.com/EngineersIND) [@EngineersIND](https://www.instagram.com/EngineersIND) [/company/engineers-india-limited](https://www.linkedin.com/company/engineers-india-limited)

इंजीनियर्स इंडिया लिमिटेड
ENGINEERS INDIA LIMITED
(A Govt of India Undertaking)
एक सरकारी कंपनी
One Government Company

पंजीकृत कार्यालय : इंदिरावास, एथिराज, चण्णै, 1, एथिराज, चण्णै, चण्णै-600 008, तमिल नाडु
Regd. Office: Engineers India Bhawan, 1, Ethiraj Salai, Egmore, Chennai-600 008 INDIA

Procurement Development Department

Ref: 4994/PDD/1/EN/23-23/4158

Kindly acknowledge unconditional acceptance of this letter and send us a signed and stamped copy of this letter for our records.

Thanking you,

Very truly yours,
Rajesh Sinha
Rajesh Sinha
Chief GM & HOD (PDD)

राजेश सिन्हा/RAJESH SINHA
एक सरकारी कंपनी/Chief GM & HOD (PDD)
इंजीनियर्स इंडिया लिमिटेड/ENGINEERS INDIA LIMITED
एक सरकारी कंपनी/Chief GM & HOD (PDD)
एथिराज, चण्णै, चण्णै-600 008, तमिल नाडु
Regd. Office: Engineers India Bhawan, 1, Ethiraj Salai, Egmore, Chennai-600 008 INDIA

Sheet 2 of 2

इंजीनियर्स इंडिया लिमिटेड
Delivering Excellence Through People

पंजीकृत कार्यालय / Regd. Office - फोन / Phone : +91-11-26762121 (EPABX)
CN : 1748901786502004327
ईमेल/Email : info@engineersindia.com
वेबसाइट/Website : www.engineersindia.com
फॉलो/US : [/EngineersIND](https://www.facebook.com/EngineersIND) [@EngineersIND](https://www.instagram.com/EngineersIND) [/company/engineers-india-limited](https://www.linkedin.com/company/engineers-india-limited)

Certificate of Compliance

Certificate Number: UL-US-2561456-0

Report Reference: EX29496-20250326

Issue Date: 2025-03-27

Issued to:
MKK METAL SECTIONS PRIVATE LIMITED
Plot No. M1 & S99-S108, Sipcot Phase III, Mukundarayapuram Post, Ranipet, Tamil Nadu, 632405, IN

This certificate confirms that representative samples of:
VIZY - Metallic Sprinkler Pipe
See Addendum Page for Product Designation(s).
Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
UL 852, Edition 2, Issue Date 2008-10-01, Revision Date 2023-03-07

Additional Information:
See UL Product iQ® at <https://qa.ulprospector.com> for additional information.
This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification, does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provide authorization to apply the UL Mark.
Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.
Look for the UL Certification Mark on the product.

David Precourt
UL Mark Certification Program Owner

UL Solutions

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Form:ULD-019498 - ver 1.0

CERTIFICATE OF COMPLIANCE

Certificate number: UL-US-2561456-0
Report reference: EX29496-20250326
Date: 2025-03-27

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Schedule Pipe
Model(s): Sch 10, class B, Type E - ASTM A795/A795M, Sch 10, class B, Type E - ASTM A135/A135M, Sch 30, class B, Type E - ASTM A795/A795M, Sch 40, class B, Type E - ASTM A795/A795M, Schedule 40, Grade B, Type E - ASTM A53/A53M Black or Galvanized

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at ULSolutions@ul.com or 1-800-451-UL.

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Form:ULD-019498 - ver 1.0

INTEGRATED QUALITY CERTIFICATION PRIVATE LIMITED
hereby certifies that the Occupational Health and Safety Management Systems of

MKK Metal Sections Private Limited

Head Office: Fagun Mansion, 3rd Floor,
No. 74, Ethiraj Salai, Egmore, Chennai - 600 008,
Plant: Plot No. M1 & S99 -S108, SIPCOT Phase III,
Mukundarayapuram Post, Ranipet Dist - 632 405,
Tamil Nadu, India.

has been assessed and conforms to the
Occupational Health and Safety
Management Systems
ISO 45001:2018

Scope: Manufacture of cold rolled formed metal sections, colour coated corrugated sheets, M.S. ERW pipes/tubes, RHS, SHS & octagonal hollow sections, hot dip galvanized steel products, MMS solar structures, handrails, cable trays and railway coach components.

Subdivision: 21, 22
Class: 2110, 2221, 2293
Process(es) not applicable: None
Certificate number: IND/IMS-QEO/JAS-C0092/0644
Attachment(s): None

Current issue date: 03.11.2023
Current expiry date: 02.11.2026
1st Surveillance due: 02.11.2024
2nd Surveillance due: 02.11.2025

Suma Shankar
Suma Shankar
Director

Certificate of compliance has an expiry period of 3 years from the current certification cycle start date but shall be considered as expired if the surveillance audit programme indicated in this certificate of compliance is not implemented to maintain confidence that the certified management system continues to fulfil requirements unless otherwise supported by a letter of continued compliance issued by the registered office of Integrated Quality Certification Pvt. Ltd. Certificate of compliance shall be updated in website/registry as suspended and/or withdrawn if the surveillance programme prior to the due date indicated above is not coordinated and implemented. Written information on any significant organizational changes with impact on the certificate of compliance shall be communicated to Integrated Quality Certification Pvt. Ltd. prior to the planned audit schedule.

Corporate Office: Platinum City, G/13/03, Site # 02, Next to CMTL HMT Road, Velloreanagar Post, Bangalore - 560 022, India.
Tel: +91(80) 4137252, 4127753, 4128047, Email: info@iqcglobal.com, Website: www.iqcglobal.com
CN: U74140KA2003PTC018351
Please visit www.iqcglobal.com to verify the authenticity and validity of this certificate of compliance
QI-ISA Rev 00 date 04.12.2019

INTEGRATED QUALITY CERTIFICATION PRIVATE LIMITED
hereby certifies that the Quality Management Systems of

MKK Metal Sections Private Limited

Head Office: Fagun Mansion, 3rd Floor,
No. 74, Ethiraj Salai, Egmore, Chennai - 600 008,
Plant: Plot No. M1 & S99 -S108, SIPCOT Phase III,
Mukundarayapuram Post, Ranipet Dist - 632 405,
Tamil Nadu, India.

has been assessed and conforms to the
Quality Management Systems
ISO 9001:2015

Scope: Manufacture of cold rolled formed metal sections, colour coated corrugated sheets, M.S. ERW pipes/tubes, RHS, SHS & octagonal hollow sections, hot dip galvanized steel products, MMS solar structures, handrails, cable trays and railway coach components.

Subdivision: 21, 22
Class: 2110, 2221, 2293
Process(es) not applicable: 8.3
Certificate number: IND/IMS-QEO/JAS-C0092/1451
Attachment(s): None

Initial issue date: 28.08.2012
Current issue date: 03.11.2023
Current expiry date: 02.11.2026
1st Surveillance due: 02.11.2024
2nd Surveillance due: 02.11.2025

Suma Shankar
Suma Shankar
Director

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QI-ISA Rev 00 date 04.12.2019

INTEGRATED QUALITY CERTIFICATION PRIVATE LIMITED
hereby certifies that the Environmental Management Systems of

MKK Metal Sections Private Limited

Head Office: Fagun Mansion, 3rd Floor,
No. 74, Ethiraj Salai, Egmore, Chennai - 600 008,
Plant: Plot No. M1 & S99 -S108, SIPCOT Phase III,
Mukundarayapuram Post, Ranipet Dist - 632 405,
Tamil Nadu, India.

has been assessed and conforms to the
Environmental Management Systems
ISO 14001:2015

Scope: Manufacture of cold rolled formed metal sections, colour coated corrugated sheets, M.S. ERW pipes/tubes, RHS, SHS & octagonal hollow sections, hot dip galvanized steel products, MMS solar structures, handrails, cable trays and railway coach components.

Subdivision: 21, 22
Class: 2110, 2221, 2293
Process(es) not applicable: None
Certificate number: IND/IMS-QEO/JAS-C0092/0592
Attachment(s): None

Current issue date: 03.11.2023
Current expiry date: 02.11.2026
1st Surveillance due: 02.11.2024
2nd Surveillance due: 02.11.2025

Suma Shankar
Suma Shankar
Director

Certificate of compliance has an expiry period of 3 years from the current certification cycle start date but shall be considered as expired if the surveillance audit programme indicated in this certificate of compliance is not implemented to maintain confidence that the certified management system continues to fulfil requirements unless otherwise supported by a letter of continued compliance issued by the registered office of Integrated Quality Certification Pvt. Ltd. Certificate of compliance shall be updated in website/registry as suspended and/or withdrawn if the surveillance programme prior to the due date indicated above is not coordinated and implemented. Written information on any significant organizational changes with impact on the certificate of compliance shall be communicated to Integrated Quality Certification Pvt. Ltd. prior to the planned audit schedule.

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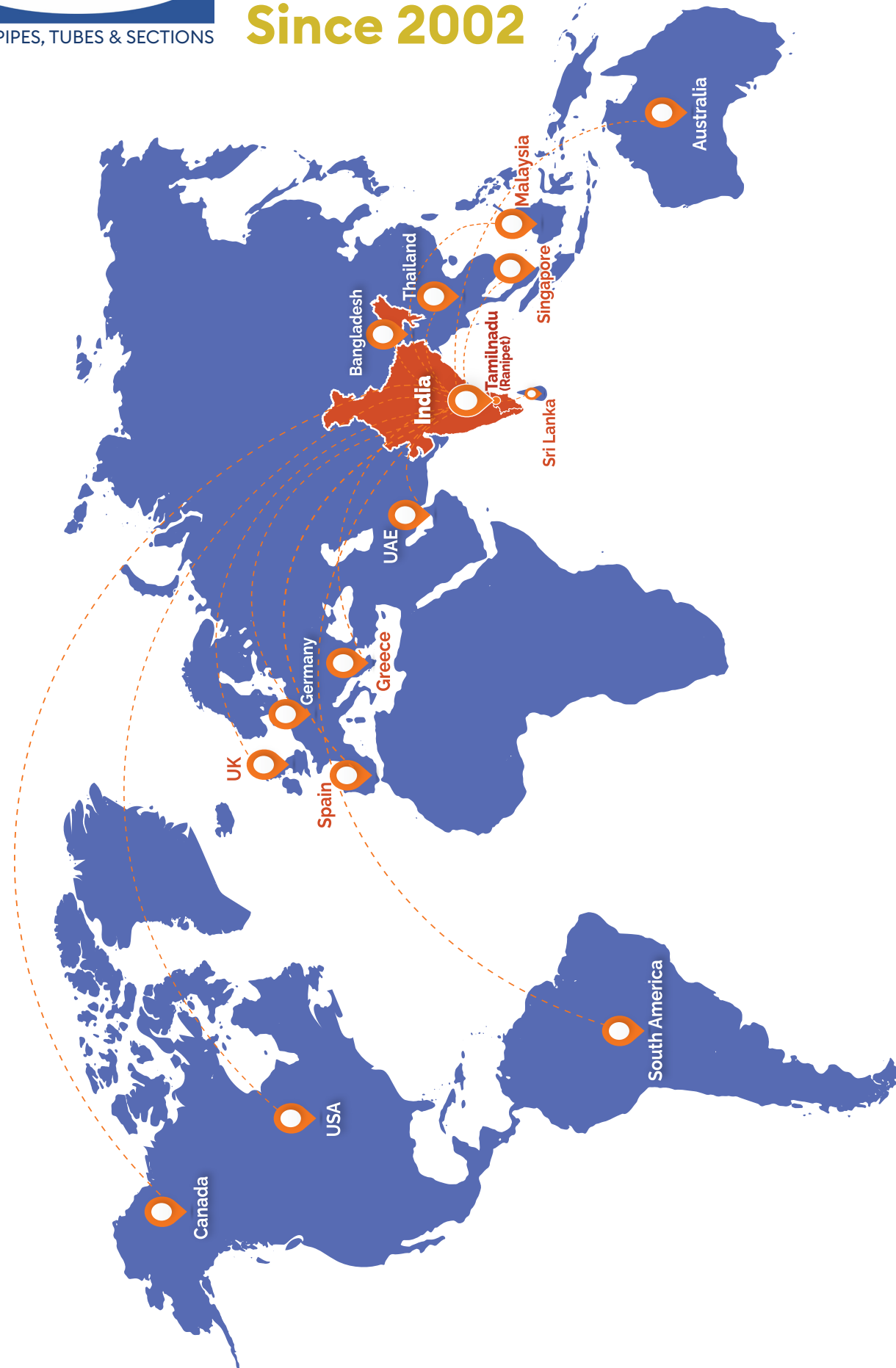
MKK Metal Sections Pvt. Ltd.



STEEL PIPES, TUBES & SECTIONS

Delivering Excellence

Since 2002



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HINDUJA RENEWABLES	INTEGRAL COACH FACTORY INDIAN RAILWAYS	JAKSON	JCB	JCBL MOVING THE NATION
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एनटीपीसी NTPC	OBO BETTERMANN	OCL INDIA LIMITED ओसीएल इण्डिया लिमिटेड	RAY'S POWER INFRA Think Green Think Better	ROYAL ENFIELD
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+91 8754464929

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MKK Metal Sections Pvt. Ltd.



STEEL PIPES, TUBES & SECTIONS

Sales Office

Bengaluru

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4th Floor, Lalbagh Road, Bengaluru,
Karnataka - 560027

Mumbai

1112 corporate Annexe, Sonawala Rd,
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