

www.rksteel.co.in



RK STEEL

Manufacturing Company Pvt. Ltd.



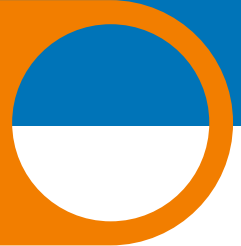


Vision Statement

To be a leader among all the SME's in the industry

RK Steel strives to be the leader among all the SME's in the tube and pipe manufacturing industry. RK Steel aims at setting up a global presence while maintaining the family business work environment where customers are always the top most priority.

Mission Statement



To bring innovation and lead the industry in terms of technological creativity

At RK Steel we believe that hard work, passion and technological advancements go hand in hand for becoming a leader in the industry we operate in. We use the most advanced machines to make high quality products and improve over-all efficiencies of the plant. We also work towards optimizing the plant and implementing lean practices to reduce the over-all production times, improving productivity and also improving employee safety. Lean practices also help us reduce the overall manufacturing cost that we can pass it on to our customers to give them a competitive edge over their competitors.



To safeguard the health and Safety of Employees

Employee safety is the foremost in our goals and objective. At RK Steel we constantly evaluate our procedures and closely monitor every safety incident trying to make positive improvements. Our objective is to have an incident free year every year and our goal is to become the safest place to work in the tube and pipe industry among all the SME's.



To ensure a well-planned and continuous development of the community

At RK Steel, people are at the center of everything we do. The customers who inspire us. The neighbors who live in our communities. The employees who make it all possible. Whether we are addressing to the needs and requirements of our customers, preserving our natural resource and minimizing environmental impact of our operations and products, protecting the health and safety of our colleagues, or strengthening our community, we are always searching for innovative solutions that will have a lasting and beneficial impact.



To be a leader in Go Green Initiative

Like our business we take our planet very seriously too. We believe that it is our responsibility to contribute to the well-being of this planet so that our future generation could also enjoy the beautiful planet like we do. Every year, RK Steel employees participate in the Green Initiative where each employee plants 1000 trees and ensure that they minimize the environmental impact of their operations.

Certificate





We seek transparency and dialogue
with our stakeholders to improve
our understanding of their needs.



Our Commitment

To our customers, employees, our community, environment and other stakeholders, we promise to act on our belief that the priceless ingredient of every product is the integrity of its maker. We operate with high standards of ethical behavior. We seek transparency and dialogue with our stakeholders to improve our understanding of their needs. We take our commitment to economic, social and environmental sustainability seriously, and extend this expectation to our partners and suppliers.

To our customers

We commit to providing high quality products that meet the stringent requirements of the industry.

We continuously make innovative improvements to our production processes with the aim of improving quality and reducing the production cost. We adhere to strict standards set by international organizations and challenge our own capabilities to further improve our performance.

To our communities

We promote conscientious citizenship that improves health and promotes sustainability in our communities.

To our environment

We encourage the preservation of natural resources and strive to minimize the environmental impact of our operations and products.

To our employees

We embrace a diverse workforce and inclusive culture. The health, safety, professional development, work-life balance and equitable, respectful treatment of our employees are among our highest priorities.

To our shareholders

We strive to produce sustained strong performance and shareholder value.

From MD'S Desk



Respected Customer,

R.K. Steel Manufacturing Pvt. Ltd. is a family owned business that has more than 25 years of combined experience in the steel industry and aims at setting global presence through a wide network of local and international distributors. R.K. Steel manufacturing facilities are strategically located and offers its customers a broad spectrum of pipe products. We handle orders as small as few pieces of pipes to orders as large as a pipeline project. We have the financial support and manufacturing capabilities to support orders of any size and meet our customers demand as fast as possible.

Our Mission is to provide you with superior quality products you require for your projects, in the manner in which you need them, at competitive prices. At R.K. Steel we always use the highest quality steel coils to manufacture our products. We can cut to length and also manufacture tubes and pipes with a variety of steel coils that meet different industrial needs. Our expertise and experience in supplying a wide variety of customers and projects, enables R.K. Steel to help value-engineer your project. Our dedicated warehouses for in-state and out-of-state customers ensures on-time deliveries and reduces errors in shipment of product to its customers. The strategic location of these warehouses ensures shorter lead time and gives us a competitive advantage over our competitors.

Our vision is to a top global competitor among SME's in the industry by the year 2020. We are continuously improving our manufacturing capabilities, constantly upgrading our Quality Assurance policies and challenging our business process to become leaner and faster. Recently, through strategic acquisitions, R.K. Steel added 30,000 tons of annual production capacity. Process efficiencies allowed for the production volume to rise by more than 15%. Current production capacity currently stands 1,50,000 tons per annum. By the FY 2025-2026 we aim to have manufacturing capability of close to 3,00,000 tons. We believe in building relationship with our customer and strive to offer superior quality products that meet strict regulatory requirements and related standards.

We are a family owned business and we work the old fashioned way where our top priority is customer satisfaction. We believe in building relationship and work with our customers in ways that are suitable to both of us. We understand that the needs and expectations of our customers change and to accommodate this changing need we maintain high flexibility. Allow us to serve you on your next project and I personally guarantee you that you will not be disappointed with our products and services.

With Regards,

Pramod Bhalotia
Managing Director
R.K. Steel Manufacturing Company Pvt. Ltd.

Letter From Director



Respected Customer,

At RK Steel we are not worried about expanding our business presence but are more focussed on strengthening our relationship with our customers. Our aim at RK Steel is to be a leader among SME's in the industry that not only offers superior quality products but also revolutionises the industry through its customer service. We know our customers need the best and we make every effort to give them the best.

Our newly inaugurated Perundurai Unit is a state-of-the-art manufacturing facility having high speed mills to ensure that our customer demands are met at least time possible. Our strategic location also ensures that we are able to serve our customers all over South India with minimum lead time. The unit is well equipped to manufacture tubes and pipes from 190D to 1730D and thickness ranging from 0.5MM to 7MM. The unit is also equipped with a galvanising plant to cater to our agriculture and water needs. Our pipes are embossed with "XOFLOW" that is trade mark of RK Steel. At our Chennai Unit we have the capability to manufacture tubes and pipes from 120D to 1010D and thickness ranging from 0.5MM to 4MM. We also have a dedicated team for providing cut-to-length facility to our customers.

The exceptional performance of our team has allowed us to expand at an exponential rate. RK Steel is a fully integrated 1,30,000 TPA enterprise. The company success mantra has been total integration. A strong focus on quality, quantity and speed has ensured that RK Steel ranks among few steel makers to record uninterrupted growth and acceptance.

Take some time and visit our website (www.rksteel.co.in) to know more about us. We believe in customer satisfaction and are passionate about manufacturing superior quality products. I have personal belief that if our customers need help then RK Steel is going to be there for them. With our high energy and positive team we will be able to fulfil your needs.

With Regards,

Rajesh Kumar Bhalotia

Director

R.K. Steel Manufacturing Company Pvt. Ltd.



Experience Certainty



True certainty of success comes from working with a partner you trust to provide the support that will propel your business forward. Experiencing certainty with RK Steel means you can count on results, partnership and leadership.

When you work with us, your long-term success is our motivation. This is why we can offer you the ability to meet every challenge and the agility to capitalize on every opportunity. That's the power of certainty. And it is our promise to every customer.



Experience Results

Proven Reliability

Quality is a trait that we appreciate and we believe it is our core responsibility. Our uncompromising devotion to rigorous, world-class processes and standards ensures that the products we develop meet the highest quality standards set in this industry. We have empowered our operators to stop production if the quality of the product was not what it was supposed to be. Integrated quality checks in our processes ensure that we have minimum defects.

Proven Dependability

Being reliably "on time and producing quality products" has always been a hallmark of our engagements. For us, product quality and timelines aren't moving targets; they are a rock-solid foundation for business planning and decision making. We help you excel in your projects by providing products that meet the highest quality standards in the industry. On-Time delivery is a key that sets us apart from our competitors. We pre-plan our production to meet our customer's deadlines.

Proven Customer Service

Customer service excellence has always been and will always be one of our critical competitive advantage. Our sales team is among the most knowledgeable teams you would come across in the industry. They know that the key to good customer service is understanding the products and your needs. They keep themselves updated about current supply, capability of manufacturing team, chemistry and physical properties of the product range so that they could help you find what you need for your next important project.

Experience Partnership

Collaboration that Works

We believe that the best partnership come from collaborative relationships with our clients. As a leading steel tube and pipe manufacturer, we will work closely with you to understand your business needs. We pre-plan our production schedule so that we meet the deadlines that are set by you. We maintain high level of flexibility because we know that in this dynamic environment your needs and expectations change.



Our methodologies have been proven
across markets around the globe.

A Dedicated Approach

Your needs are our priority and, whatever your concerns, you can be certain they will be addressed.

We work with you through the entire engagement life cycle, from negotiation to delivery, maintaining open lines of communications at all times. And not only do we make our top people available, we leverage our dedicated and knowledgeable sales team to give you after sale support that you need.

A Relationship that Scales

At RK Steel our primary focus is not doing business with you but rather building relationships with you. We know that your needs and expectations change and to accommodate that we maintain high level of flexibility. We will do everything we can to satisfy and fulfill your needs.



Experience Leadership

The know - how you need

We have the processes and expertise to cater to your business needs, help reduce overall supply chain risk and gain competitive advantage. We consistently leverage our market research and collaborative teams of experts to create quality products that give your business an edge.

Global expertise, applied locally

Our methodologies have been proven across markets around the globe. No matter what your projects demand, our production and management teams have firsthand experience and a keen understanding of industry's local and international dynamics, so we can help you gain competitive advantage by providing you with quality products and on-time delivery.

A close-up photograph of several large, dark-colored steel pipes stacked on top of each other. The pipes are arranged in a way that shows their circular ends and the texture of the metal. The lighting is dramatic, with strong highlights on the edges of the pipes and deep shadows in the centers of the openings.

Experience Leadership



On the path of excellence

R.K. Steel prides its self in process excellence and strongly believes in customer satisfaction. Its primary focus is developing healthy relationship and building lasting bond with its customers. It makes every effort to optimize all processes from procurement-to-manufacturing-to-customers to enhance efficiency and improve productivity through competitiveness. R.K. Steel achieves process excellence through a three stage process which includes Quality Assurance, Customer Service Relations and Sustainability.

Supply chain and logistics

R.K. Steel has started creating a network of world-class warehouses with best-in-class facilities that would further improve operational efficiency and reduce overall cost while enabling seamless delivery of superior quality products and services to its customers. Over the years, R.K. Steel has expanded and strengthened its distribution network, enhanced logistic performance and improved overall quality to better serve its customers. By constructing dedicated warehouses for its in-state and out-of-state customers, R.K. Steel ensures on-time deliveries and aims at reducing errors in shipment of products to its customers. The strategic locations of these warehouses also ensure minimum lead time that give R.K. Steel a competitive advantages over its competitors. Significant investments in the logistic sector have allowed R.K. Steel to develop partnerships with industry leaders in logistics that allow for fast and on-time deliveries to its customers.

Research and development

Cost effectiveness and high quality are at the core of R.K. Steel's business. R.K. Steel continuously invests in newer and sophisticated tools and techniques that allow it to better understand fluctuations in customer's demands and expectations. This enables the company to serve its customers better while ensuring minimum overall cost. R.K. Steel analyzes every aspect of its supply chain and strives to improve its efficiency to realize cost effectiveness which is then forwarded to its customers in terms of lower product price. Superior product quality is a top priority at R.K. Steel.

Products and brand

R.K. Steel is a family owned business and strives on building relations and serving its customers with high quality products. R.K. Steel branded products touches countless customers every year. By proactively monitoring customer buying behavior, it is able quickly adapt to changing customer demands and expectation. With the aim of serving its customers better, R.K. Steel continues to add more to its existing production capacity. Strategic acquisitions and improvement in process efficiencies allowed R.K. Steel to add 30,000 tons to its annual production capacity. The production capacity currently stands 1,30,000 TPA. R.K. Steel was able to expand its global presence to Sri Lanka, Maldives and East African Countries through its strong and widely spread distribution network, good customer relationships, high quality and flexibility. It now aims to expand its global presence to the west and become a leader among the SME's in the industry.

Customer focus and market segments

R.K. Steel makes continuous efforts to serve its customers in different market segments. Critical market analysis coupled with customer feedback has allowed R.K. Steel to expand its products range. With the installation of a new manufacturing mill,

R.K. Steel can now manufacture products in ranges 120D to 1730D and thickness ranging from 0.50MM – 7.0MM in MS, CR, GP and GI. Strategic acquisitions have also allowed R.K. Steel to add manufacturing capabilities and serve its customer in key markets segments.

The company strongly believes that customers are the life of a business that's why it focuses on building lasting relationships with its customers. It understands that the needs and requirements of the customers change and hence maintains high level of flexibility.



One of the top priorities at R.K. Steel is superior product quality. The company employs stringent Quality Inspection parameters that ensure that every product produced at R.K. Steel meets the high quality expectations of its customers and fulfill strict regulatory requirement and related standards. The company invests in new quality inspection techniques that lower the inspection time and shorten the lead time ensuring quick turn-around to its customers. Process improvements and analysis has allowed R.K. Steel to reduce the amount of quality rejects and improve the over quality of the product.

RK Steels Proudly Introduces XOFLOW GI Pipes



ERW Steel Tubes for Water, Gas and Airline Conforming to ISI 1239 (Part – I) 2004

Technical Data of MS Black Round Tubes

NB and Series		Outside Diameter		Wall Thickness		Nominal Weight			
		Min.	Max			Plain End		Screwed & Socketed	
		MM	MM	MM	SWG	Kg/M	Meters / Tonne	Kg/M	Meters / Tonne
15	L	21.0	21.4	2.0	14	0.95	1052	0.96	1046
	M	21.0	21.8	2.6	12	1.21	826	1.22	820
	H	21.0	21.8	3.2	10	1.44	694	1.45	690
20	L	26.4	26.9	2.3	133	1.38	7125	1.39	719
	M	26.5	27.3	2.6	12	1.56	641	1.57	637
	H	26.5	27.3	3.2	10	1.87	535	1.88	532
25	L	33.2	33.8	2.6	12	1.98	505	2.00	500
	M	33.3	34.2	3.2	10	2.41	415	2.43	411.5
	H	33.3	34.2	4.0	8	2.93	341	2.95	339
32	L	41.9	42.5	2.6	12	2.54	394	2.57	389
	M	42.0	42.9	3.2	10	3.1	322	3.13	319
	H	42.0	42.9	4.0	8	3.79	264	3.82	262
40	L	47.8	48.4	2.9	11	3.23	310	3.27	306
	M	47.8	48.8	3.2	10	3.56	281	3.60	278
	H	47.9	48.8	4.0	8	4.37	229	4.41	227
50	L	59.6	60.2	2.9	11	4.08	245	4.15	241
	M	59.7	60.8	3.6	9	5.03	199	5.10	196
	H	59.7	60.8	4.5	7	6.19	161	6.26	160
65	L	75.2	76	3.2	10	5.74	175	5.83	171.5
	M	75.3	76.6	3.6	9	6.42	156	6.54	153
	H	75.3	76.6	4.5	7	7.93	126	8.05	124
80	L	87.9	88.7	3.2	10	6.72	149	6.89	145
	M	88.0	89.5	4.0	8	8.36	120	8.53	117
	H	88.0	89.5	4.8	6	9.9	101	10.10	96
100	L	113.0	113.9	3.6	9	9.75	102	1.00	100
	M	113.1	115	4.5	7	12.2	82	12.50	80
	H	113.1	115	5.4	5	14.5	69	14.80	67.5
125	M	138.5	140.8	4.8	6	15.9	63	16.40	61
	H	138.5	140.8	5.4	5	17.9	56	18.40	54
150	M	163.9	165.6	4.8	6	18.9	53	19.50	51
	H	163.9	166.5	5.4	5	21.3	47	21.90	46

Thickness & Mass are applicable for Black & Galvanized Steel Tubes as per clause 8.1.1 of IS : 1329 (Part - 1) 2004

The specification conforms to CE Mark conferred Det Norske Veritas, Netherlands.

Tolerance				
A - Thickness	Tolerance	B - Weight	Tolerance	Length Tolerance
1. Light Tubes 2. Medium & Heavy Tubes	+ not limited - 8% + not limited - 10%	1. Single Tube (Light Series) 2. Single Tube (Medium & Heavy Series) 3. For quantities per load 10 tonnes minimum (Medium and Heavy Series) 4. For quantities per load of 10 tonnes minium (Medium and Heavy Series)	± 10% - 8% ± 10% ± 7.5% - 5% ± 7.5%	Unless otherwise Specified 4 to 7 mtrs Can also be supplied in Fix Lengths +5cm

Specification for Steels Tubes for IDLERS for Belt Conveyors IS 9295:1993

Outside Diameter	Thickness	Mass	Meters
MM	MM	Kg./Mtr.	Tonne
63.50	3.65	5.39	186
	4.05	5.94	168
	4.50	6.55	153
	4.85	7.01	143
	5.40	7.74	129
	6.30	8.89	112
76.10	3.65	6.52	153
	4.05	7.20	139
	4.50	7.95	126
	4.85	8.52	117
	5.40	9.42	106
	6.30	10.84	92
88.90	4.05	8.74	118
	4.50	9.37	107
	4.85	10.05	99
	5.40	11.12	90
	6.30	12.83	78
101.60	4.05	9.74	103
	4.50	10.78	93
	4.85	11.57	86
	5.40	12.81	78
	6.30	14.81	68
114.30	4.50	12.19	82
	4.85	13.09	76
	5.40	14.50	69
127.0	4.50	13.59	74
	4.85	14.61	68
	5.40	16.19	62
	6.30	18.75	53
139.70	4.50	15.00	67
	4.85	16.13	62
	5.40	17.89	56
	6.30	20.73	48
152.40	4.50	16.41	61
	4.85	17.65	57
	5.40	19.58	51
	6.30	22.70	44
159.00	4.50	17.15	58
	4.85	18.44	54
	5.40	20.46	49
	6.30	23.72	42
165.10	4.50	17.82	56
	4.85	19.17	52
	5.40	21.27	47
	6.30	24.67	41
168.30	4.50	18.18	55
	4.85	19.55	51
	5.40	21.69	46
	6.30	25.17	40

- Outside Diameter : $\pm 0.8\%$
- Ovality below 168.3mm : 0.5mm
- Ovality including 168.3mm & above : 1.0mm
- Weight Kg/Mtr: Single Tube : $\pm 10\%$
- For Truck Load of 10 Tonnes : $\pm 7.5\%$
- Thickness : $\pm 10\%$
- Grade : ERW Grade YST 210 & YST 240



Steel Tube for Structural Purposes

Conforming to IS 1161:1998

NB	Series	Outside Diameter	Thickness	Nominal Weight		Calculated Nominal Weight	
				Black Tube		Galvanized Tubes	
				Plain End		Plain End	
		MM	MM	Kg/M	Mtr/Tonne	Kg/M	Mtr/Tonne
15	L	21.3	2	0.947	1058	1	1003
	M		2.6	1.21	826	1.26	794
	H		3.2	1.44	694	1.49	671
20	L	26.9	2.3	1.38	725	1.43	699
	M		2.6	1.56	641	1.61	221
	H		3.2	1.87	535	1.92	521
25	L	33.7	2.6	1.98	505	2.03	493
	M		3.2	2.41	415	2.46	407
	H		4	2.93	341	2.98	336
32	L	42.4	2.6	1.54	394	2.62	382
	M		3.2	3.1	323	3.18	314
	H		4	3.79	264	3.87	258
40	L	48.3	2.9	3.23	310	3.34	299
	M		3.2	3.56	281	3.67	272
	H		4	4.37	229	4.48	223
50	L	60.3	2.9	4.08	245	4.2	238
	M		3.2	5.03	199	5.15	194
	H		4	6.19	162	6.31	158
65	L	76.1	3.2	5.71	175	5.86	171
	M		3.6	6.42	156	6.57	152
	H		4.5	7.93	126	8.1	123
80	L	88.9	3.2	6.72	149	6.9	145
	M		4	8.36	120	8.54	117
	H		4.8	9.9	101	10.08	99
90	L	101.6	3.6	8.7	115	8.97	111
	M		4	9.63	144	7.2	139
	H		4.8	11.5	87	11.77	85
100	L	114.3	3.6	9.75	103	9.97	100
	M		4.5	12.2	82	12.42	81
	H		5.4	14.5	69	14.72	68
110	L	127	4.5	13.6	74	13.9	72
	M		4.8	14.5	69	14.8	68
	H		5.4	16.2	62	14.8	61
125	L	139.7	4.5	15	67	15.25	66
	M		4.8	15.9	63	16.15	62
	H		5.4	17.9	56	18.15	55
135	L	152.4	4.5	16.4	61	16.78	60
	M		4.8	17.5	57	17.88	56
	H		5.4	19.6	51	19.98	55
150	L	165.1	4.5	17.8	56	18.2	55
	M		4.8	18.9	52	19.8	51
	H		5.4	21.3	47	21.7	46
150	L	168.3	4.5	18.2	55	18.66	54
	M		4.8	19.4	52	19.88	50
	H1		5.4	21.7	46	22.24	45
	H2		6.3	25.2	40	41	24

Tensile Properties				Weight	Tolerance
Grade	Y.S. (Min) Mpa	T.S. (Min) Mpa	% Age Elongation on	Single Tube	
YST - 210	210	330	20	1. Light Class	+10%/-8%
YST - 240	240	410	17	2. Medium & Heavy Class	+/-10
YST - 310	310	450	14		
Tolerance				Thickness	Tolerance
1. On outside diameter up to & including 48.3mm = +0.4mm/-0.8mm				For All Size	+ Not Limited
				Welded Tubes	-10%
2. Over 48.3mm = +/-1%				10 Ton Lot	
				Light Class	+ /-5%
				Medium & Heavy Class	+/-7.5%

Scaffolding Tubes

Infrastructure and Connectivity act as arteries for development and growth for any nation. For fulfilling the dream of New India, RK Steel offers broad range of Scaffolding Tubes and related Components to its customers.

Our product offering is widely suited for applications in Construction, Maintenance and Demolition Activities.

Scaffolding Tubes						
Size		Thickness		Ovality		Weight
Inches	mm	Inches	mm	Inches	mm	Kg/mtr
1 1/2	48.3	0.126	3.2	0.02	0.5	3.56
1 1/2	48.3	0.157	4.0	0.02	0.5	4.37
2	60.30	0.141	3.6	0.02	0.50	5.03
2	60.30	0.177	4.5	0.02	0.50	6.19

Tolerance		
Outside Diameter	Thickness	Weight
±0.5	±/-10%	±7.5% On Single Tube

PROPERTIES

YIELD STRENGTH : 235 MPA MIN

TENSILE STRENGTH : 340/520 MPA

CHEMICAL COMPOSITION

CARBON : 0.20% MAX.

SILICON : 0.05% MAX.

MANGANESE : 0.40% MAX.

PHOSPHOROUS : 0.040% MAX.

SULPHUR : 0.045% MAX.

ALUMINIUM : 0.02% MIN.

END FINISH : SQUARE CUT

STRAIGHTNESS : 1MM IN 500 MM

FLATTENING TEST : TWO STAGES FLATTEN UPTO 75% OF TUBE DIA FOR WELD.
FLATTEN UPTO 60° OF TUBE DIA FOR MATERIAL

ZINC COATING : 40 MICRONS MINIMUM OUTSIDE

DELIVERY CONDITION : A) AS ROLLED CONDITION (WITHOUT PROTECTION)
B) HOT DIP GALVANISED

Steel Tubes for Mechanical and General Engineering Purposes

Conforming to IS 3601:2006

OD	Thickness	SWS	Black Weight
21.30	1.80	15.00	5.276
21.30	2.00	14.00	5.802
21.30	2.60	12.00	7.308
21.30	3.20	10.00	8.705
21.30	4.00	8.00	10.401
26.90	1.80	15.00	6.791
26.90	2.00	14.00	7.485
26.90	2.30	13.00	8.504
26.90	2.60	12.00	9.496
26.90	3.20	10.00	11.399
26.90	4.00	8.00	13.767
33.70	2.00	1.00	9.529
33.70	2.30	13.00	10.855
33.70	2.60	12.00	12.153
33.70	3.20	10.00	14.669
33.70	4.00	8.00	17.856
33.70	4.50	7.00	19.749
42.70	2.30	13.00	13.966
42.70	2.60	12.00	15.670
42.70	3.20	10.00	18.998
42.70	3.60	9.00	21.156
42.70	4.00	8.00	23.266
48.30	2.30	13.00	15.902
48.30	2.60	12.00	17.859
48.30	2.90	11.00	19.788
48.30	3.20	10.00	21.691
48.30	3.60	9.00	24.186
48.30	4.00	8.00	26.633
60.30	2.30	13.00	20.050
60.30	2.60	12.00	22.548
60.30	2.90	11.00	25.019
60.30	3.20	10.00	27.463
60.30	3.60	9.00	30.679
60.30	4.00	8.00	33.848
60.30	5.00	6.00	41.558
60.30	5.60	5.00	46.040
60.30	6.30	3.00	51.132
76.10	2.60	12.00	28.722
76.10	2.90	11.00	31.906
76.10	3.20	10.00	35.062
76.10	3.60	9.00	39.228

OD	Thickness	SWS	Black Weight
76.10	4.50	7.00	48.427
76.10	5.40	5.00	57.382
76.10	6.30	3.00	66.093
76.10	7.10	2.00	73.632
88.90	2.90	11.00	37.485
88.90	3.20	10.00	41.218
88.90	4.00	8.00	51.042
88.90	5.00	6.00	63.051
88.90	5.40	5.00	67.770
88.90	6.30	3.00	78.213
101.00	3.60	9.00	52.701
101.00	4.00	8.00	58.316
101.00	5.00	6.00	72.144
114.30	3.20	10.00	53.435
114.30	3.60	9.00	59.898
114.30	4.50	7.00	74.263
114.30	5.40	5.00	88.385
114.30	6.30	3.00	102.264
127.00	4.50	7.00	82.853
127.00	5.00	6.00	91.683
127.00	5.40	5.00	98.693
139.00	3.60	9.00	73.262
139.00	4.00	8.00	81.162
139.00	4.50	7.00	90.969
139.00	5.00	6.00	100.701
139.00	5.40	5.00	108.432
139.00	6.30	3.00	125.652
152.00	4.50	7.00	99.762
152.00	5.00	6.00	110.471
152.00	5.40	5.00	118.983
152.00	6.30	3.00	137.962
165.00	4.50	7.00	108.554
165.00	5.00	6.00	120.240
165.00	5.40	5.00	129.535
165.00	6.30	3.00	150.271
168.00	4.00	8.00	98.597
168.00	4.50	7.00	110.583
168.00	5.00	6.00	122.495
168.00	5.40	5.00	131.969
168.00	6.30	3.00	153.112
168.00	7.10	2.00	171.701

Physical Properties				
Grade	YST Mpa (Min)	T.S. Mpa (Min)	Percentage Elongation	
			As Welded (Less than or Equal to 33OD)	As Welded (More than 33OD)
WT 160	160	310	15	22
WT 210	210	330	12	20
WT 240	240	410	10	15
WT 310	310	450	6	10

Manufacturing Tolerance		
Over (MM)	Upto and Including (MM)	Tolerance on Outside Diameter (MM)
-	25.4	"+" / "-" 15
25.4	51	"+" / "-" 18
51	63.5	"+" / "-" 25
63.5	76.1	"+" / "-" 25
76.1	88.9	"+" / "-" 31
88.9	101.6	"+" / "-" 36
101.6	114.3	"+" / "-" 43
114.3	152.4	"+" / "-" 58
152.4	168	"+" / "-" 65
168		"+" / "-" 75

Hollow Steel Sections for Structural Use

Conforming to IS 4923:1997

Size Designation	Side A	Side B	Thickness	Weight
20 X 20	20	20	2.00	6.782
	20	20	2.60	8.817
25 X 25	25	25	2.60	11.266
	25	25	3.20	13.866
30 X 30	30	30	2.60	13.716
	30	30	2.90	15.298
	30	30	3.20	16.881
	30	30	3.60	18.991
38 X 38	30	30	4.00	21.101
	38	38	2.60	17.634
	38	38	2.90	19.669
	38	38	3.20	21.704
40 X 40	38	38	3.60	24.417
	38	38	4.00	27.130
	40	40	2.60	18.614
	40	40	3.20	22.909
49.5 X 49.5	40	40	3.60	25.773
	40	40	4.00	28.637
	49.5	49.5	2.90	25.952
	49.5	49.5	3.60	32.216
60 x 60	49.5	49.5	4.50	40.271
	60	60	2.60	28.411
	60	60	3.60	39.338
	60	60	4.50	49.172
75 x 75	75	75	3.20	44.010
	75	75	4.00	55.013
	75	75	4.90	67.391
100 x 100	100	100	4.00	73.853
	100	100	5.00	92.316
	100	100	6.00	110.779
125 x 125	125	125	4.50	104.279
	125	125	5.00	115.866
	125	125	6.00	139.039

Physical Properties				
Grade	YST Mpa (Min)	T.S. Mpa (Min)	Percentage Elongation	
			As Welded (Less than or Equal to 330D)	As Welded (More than 330D)
WT 160	160	310	15	22
WT 210	210	330	12	20
WT 240	240	410	10	15
WT 310	310	450	6	10

Size Designation	Side A	Side B	Thickness	Weight
50 x 25	50	25	2.90	19.396
	50	25	3.20	21.402
60 x 40	60	40	2.90	26.225
75 x 25	75	25	2.90	26.225
	75	25	3.20	28.938
	75	25	4.00	36.173
80 x 40	80	40	2.90	31.689
	80	40	3.20	34.967
	80	40	4.00	43.709
96 x 48	96	48	3.20	42.202
	96	48	4.00	52.752
	96	48	4.80	63.302
100 x 50	100	50	3.20	44.010
	100	50	4.00	55.013
122 x 61	122	61	3.60	60.702
	122	61	4.50	75.878
	122	61	5.40	91.054





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