



TR
Tarachand Ramautar

Distributor of MS & GI ERW Pipe & Pipe Fittings

ABOUT US



M/S TARACHAND RAMAUTAR laid its foundation on 1st July 2005 as a Proprietorship firm under the ownership of **Mr. Purushottam Das Gupta**. Under the strong leadership of **Mr. Tushar Gupta**, TARACHAND RAMAUTAR has built a reputation of providing timely delivery, quality products, correct rates and genuine customer satisfaction. With the help of **Mr Subham Bhartia**, the firm has learned to adapt, improve and evolve new initiatives while redefining the marketing requirements. Since then, the company has been dealing in wholesale and retail supply of structural items including all types of ISI Specification pipes, structural steel, construction equipment & and general orders to various factories. The company supplies pipes to various sectors like Telecom, Fire Fighting, HVAC Contractors, Consultancy, Builders, Exporters, Construction Equipments and others.

MS/ERW PIPE

MS Pipe and MS Tube refers to Mild Steel Pipe or a Mild Steel Tubes. Mild Steel (MS) pipes are manufactured using low carbon (less than 0.25%) steel. Due to low carbon content the pipes do not harden and are easy to use. As MS Pipes are made from mild steel they can easily be welded and formed in various shapes and sizes for pipelining and tubing purposes. These are generally used for drinking water supply i.e. Plumbing, Firefighting, HVAC but can also be used in various other Industrial and Engineering applications. These pipes are usually coated with other metals/ paints/ varnish etc to prevent it from rusting but extra care should be taken to prevent it under extreme conditions.

APPLICATIONS AND USES

They are used in Plumbing, Firefighting, HVAC, Industrial and Engineering Sectors. Some applications are mentioned below.



BRIDGES



FIRE HYDRANT SYSTEM



SWAGED POLES



TELECOM TOWERS



SCAFFOLDINGS



INDUSTRIAL SHED

ROUND PIPE (KG/MTR)																						
		THICKNESS																				
SIZE	OD	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5
15MM	21.3	0.50	0.59	0.69	0.78	0.87	0.95	1.04	1.12	1.20	1.28	1.35	1.43	1.50	1.57	1.64	1.71	1.77	1.83	1.89	1.95	2.01
20MM	26.7	0.63	0.75	0.87	0.99	1.11	1.22	1.33	1.44	1.55	1.65	1.75	1.85	1.95	2.05	2.15	2.24	2.33	2.42	2.51	2.59	2.68
25MM	33.4	0.80	0.95	1.10	1.25	1.40	1.55	1.69	1.83	1.97	2.11	2.25	2.38	2.52	2.65	2.77	2.90	3.02	3.15	3.27	3.39	3.50
32MM	42.4	1.02	1.22	1.42	1.61	1.80	1.99	2.18	2.37	2.55	2.73	2.91	3.09	3.27	3.44	3.62	3.79	3.96	4.12	4.29	4.45	4.61
40MM	48.3	1.17	1.39	1.62	1.84	2.06	2.28	2.50	2.72	2.93	3.14	3.35	3.56	3.76	3.97	4.17	4.37	4.57	4.76	4.96	5.15	5.34
50MM	60.3	1.46	1.75	2.03	2.32	2.60	2.88	3.15	3.43	3.70	3.97	4.24	4.51	4.77	5.03	5.29	5.55	5.81	6.07	6.32	6.57	6.82
65MM	76.1	1.85	2.22	2.58	2.94	3.30	3.65	4.01	4.36	4.71	5.06	5.41	5.75	6.10	6.44	6.78	7.11	7.45	7.78	8.11	8.44	8.77
80MM	88.9	2.17	2.60	3.02	3.44	3.87	4.29	4.70	5.12	5.53	5.95	6.36	6.76	7.17	7.57	7.98	8.38	8.77	9.17	9.56	9.96	10.35
100MM	114.3	2.79	3.35	3.90	4.45	4.99	5.54	6.08	6.62	7.16	7.70	8.23	8.77	9.30	9.83	10.36	10.88	11.40	11.93	12.44	12.96	13.48
125MM	139.7	3.42	4.10	4.77	5.45	6.12	6.79	7.46	8.13	8.79	9.45	10.11	10.77	11.43	12.08	12.74	13.39	14.03	14.68	15.33	15.97	16.61
150MM	165.2	4.05	4.85	5.66	6.46	7.25	8.05	8.84	9.64	10.43	11.21	12.00	12.78	13.57	14.35	15.13	15.90	16.68	17.45	18.22	18.99	19.75
200MM	219.1	5.38	6.45	7.52	8.58	9.65	10.71	11.77	12.83	13.88	14.94	15.99	17.04	18.09	19.13	20.18	21.22	22.26	23.30	24.33	25.37	26.40
250MM	273	6.71	8.04	9.38	10.71	12.04	13.37	14.69	16.02	17.34	18.66	19.98	21.29	22.61	23.92	25.23	26.54	27.84	29.15	30.45	31.75	33.05
300MM	323.9	7.96	9.55	11.13	12.72	14.30	15.88	17.45	19.03	20.60	22.17	23.74	25.31	26.87	28.44	30.00	31.56	33.11	34.67	36.22	37.77	39.32
350MM	355.6	8.74	10.49	12.23	13.97	15.71	17.44	19.17	20.91	22.63	24.36	26.09	27.81	29.53	31.25	32.97	34.68	36.40	38.11	39.82	41.53	43.23
400MM	406.4	10.00	11.99	13.98	15.97	17.96	19.95	21.93	23.91	25.89	27.87	29.85	31.82	33.79	35.76	37.73	39.70	41.66	43.62	45.58	47.54	49.50
450MM	457.2	11.25	13.49	15.74	17.98	20.22	22.45	24.69	26.92	29.15	31.38	33.60	35.83	38.05	40.27	42.49	44.71	46.92	49.13	51.34	53.55	55.76
500MM	508	12.50	15.00	17.49	19.98	22.47	24.96	27.44	29.93	32.41	34.89	37.36	39.84	42.31	44.78	47.25	49.72	52.18	54.65	57.11	59.57	62.02

OD-THICKNESS*THICKNESS*0.0246615 == KG PER METER

OD	219.1	273	323.9	355.6	406.4	457.2	508
THICKNESS	200 (8")	250 (10")	300 (12")	350 (14")	400 (16")	450 (18")	500 (20")
4	21.22	26.54	31.56	34.68	39.70	44.71	49.72
4.5	23.82	27.65	35.45	38.96	44.60	50.24	55.88
5	26.40	30.41	39.32	43.23	49.50	55.76	62.02
5.5	28.97	33.10	43.19	47.49	54.38	61.27	68.16
5.8	30.51	34.69	45.50	50.03	57.30	64.57	71.83
6	31.53	35.73	47.04	51.73	59.25	66.76	74.28
6.35	33.32	37.53	49.73	54.69	62.65	70.60	78.56
6.5	34.08	38.30	50.88	55.96	64.10	72.25	80.39
7	36.61	40.81	54.71	60.18	68.95	77.72	86.49
7.5	39.14	43.26	58.52	64.39	73.78	83.18	92.57
8	41.65	45.64	62.32	68.58	78.60	88.62	98.65
8.5	44.15	47.97	66.12	72.76	83.41	94.06	104.71
9	46.63	50.24	69.89	76.93	88.20	99.48	110.75
9.5	49.11	52.45	73.66	81.09	92.99	104.89	116.79
10	51.57	54.61	77.41	85.23	97.76	110.29	122.81

MTR PER TONS

OD	219.1	273	323.9	355.6	406.4	457.2	508
THICKNESS	200 (8")	250 (10")	300 (12")	350 (14")	400 (16")	450 (18")	500 (20")
4	47.13	37.68	31.69	28.83	25.19	22.37	20.11
4.5	41.99	36.16	28.21	25.66	22.42	19.90	17.90
5	37.88	32.89	25.43	23.13	20.20	17.93	16.12
5.5	34.52	30.21	23.15	21.06	18.39	16.32	14.67
5.8	32.78	28.83	21.98	19.99	17.45	15.49	13.92
6	31.71	27.99	21.26	19.33	16.88	14.98	13.46
6.35	30.01	26.64	20.11	18.28	15.96	14.16	12.73
6.5	29.34	26.11	19.65	17.87	15.60	13.84	12.44
7	27.31	24.51	18.28	16.62	14.50	12.87	11.56
7.5	25.55	23.12	17.09	15.53	13.55	12.02	10.80
8	24.01	21.91	16.05	14.58	12.72	11.28	10.14
8.5	22.65	20.85	15.13	13.74	11.99	10.63	9.55
9	21.44	19.90	14.31	13.00	11.34	10.05	9.03
9.5	20.36	19.06	13.58	12.33	10.75	9.53	8.56
10	19.39	18.31	12.92	11.73	10.23	9.07	8.14

RHS AND SHS PIPE

A Hollow Structural Section, or HSS, is a type of metal with a hollow tubular section. These sections can be circular (CHS), square (SHS) or rectangular (RHS). Hollow Structural Sections, especially RHS steel is commonly used in welded steel frames while SHS and CHS are more often used in columns. Hollow Steel Sections are also commonly used as beams. These are manufactured through the process where flat steel plate is slowly changed in shape to achieve round where the edges are presented to weld. Then, the edges are welded together to form the master tube. This master tube, which is also referred as mother tube goes through a sequence of shaping stands, which form the final square or rectangular shape.

APPLICATIONS AND USES

The applications of RHS and SHS Pipes are quite similar to MS Pipe. Some different applications are mentioned below.



RAILWAY COACHES



HOARDINGS



ROAD DIVIDERS



CRANES



BUS BODY STRUCTURE



AIRPORTS

SQUARE (KG/MTR)																						
		THICKNESS																				
SIZE (MM)	OD	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5
19X19	24.2	0.57	0.68	0.79	0.89	0.99	1.10	1.19	1.29	1.39	1.48	1.57	1.66	1.74	1.83	1.91	1.99	2.07	2.15	2.22	2.30	2.37
25X25	31.85	0.76	0.91	1.05	1.19	1.33	1.47	1.61	1.74	1.88	2.01	2.13	2.26	2.39	2.51	2.63	2.75	2.86	2.98	3.09	3.20	3.31
30X30	38.22	0.92	1.10	1.27	1.44	1.62	1.79	1.95	2.12	2.28	2.45	2.61	2.76	2.92	3.07	3.23	3.38	3.52	3.67	3.81	3.96	4.10
32X32	40.76	0.98	1.17	1.36	1.55	1.73	1.91	2.09	2.27	2.45	2.62	2.79	2.96	3.13	3.30	3.46	3.63	3.79	3.95	4.10	4.26	4.41
38X38	48.41	1.17	1.40	1.62	1.85	2.07	2.29	2.51	2.72	2.94	3.15	3.36	3.57	3.77	3.98	4.18	4.38	4.58	4.78	4.97	5.16	5.35
50X50	63.69	1.55	1.85	2.15	2.45	2.75	3.04	3.34	3.63	3.92	4.20	4.49	4.77	5.06	5.34	5.61	5.89	6.16	6.43	6.70	6.97	7.24
60X60	76.43	1.86	2.23	2.59	2.95	3.31	3.67	4.03	4.38	4.73	5.08	5.43	5.78	6.12	6.47	6.81	7.15	7.48	7.82	8.15	8.48	8.81
72X72	91.72	2.24	2.68	3.12	3.56	3.99	4.43	4.86	5.29	5.71	6.14	6.56	6.99	7.41	7.82	8.24	8.65	9.07	9.48	9.88	10.29	10.69
75X75	95.54	2.33	2.79	3.25	3.71	4.16	4.61	5.06	5.51	5.96	6.40	6.85	7.29	7.73	8.16	8.60	9.03	9.46	9.89	10.32	10.74	11.16
80X80	101.9	2.49	2.98	3.47	3.96	4.44	4.93	5.41	5.89	6.37	6.84	7.32	7.79	8.26	8.73	9.19	9.66	10.12	10.58	11.04	11.50	11.95
91.5X91.5	116.6	2.85	3.41	3.98	4.54	5.09	5.65	6.20	6.76	7.31	7.86	8.40	8.95	9.49	10.03	10.57	11.10	11.64	12.17	12.70	13.23	13.76
100X100	127.4	3.12	3.73	4.35	4.96	5.57	6.18	6.79	7.40	8.00	8.60	9.20	9.80	10.40	10.99	11.58	12.17	12.76	13.35	13.93	14.51	15.09
113.5X133.5	144.6	3.54	4.24	4.94	5.64	6.34	7.03	7.73	8.42	9.10	9.79	10.48	11.16	11.84	12.52	13.19	13.87	14.54	15.21	15.88	16.55	17.21
132X132	168.2	4.12	4.94	5.76	6.57	7.38	8.20	9.00	9.81	10.62	11.42	12.22	13.02	13.81	14.61	15.40	16.19	16.98	17.77	18.55	19.34	20.12
150X150	191.1	4.69	5.62	6.55	7.48	8.40	9.33	10.25	11.17	12.09	13.00	13.92	14.83	15.74	16.64	17.55	18.45	19.36	20.26	21.16	22.05	22.95
175X175	222.9	5.47	6.56	7.65	8.73	9.82	10.90	11.98	13.05	14.13	15.20	16.27	17.34	18.41	19.47	20.54	21.60	22.66	23.71	24.77	25.82	26.87
180X180	229.3	5.63	6.75	7.87	8.98	10.10	11.21	12.32	13.43	14.54	15.64	16.74	17.84	18.94	20.04	21.13	22.22	23.32	24.40	25.49	26.58	27.66
200X200	254.8	6.26	7.50	8.75	9.99	11.23	12.47	13.70	14.94	16.17	17.40	18.63	19.85	21.08	22.30	23.52	24.74	25.95	27.17	28.38	29.59	30.80

RECTANGLE (KG/MTR)																						
		THICKNESS																				
SIZE (MM)	OD	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5
40X25	41.4	1.00	1.19	1.38	1.57	1.76	1.94	2.13	2.31	2.49	2.67	2.84	3.01	3.19	3.36	3.52	3.69	3.85	4.02	4.17	4.33	4.49
50X25	47.77	1.15	1.38	1.60	1.82	2.04	2.26	2.47	2.69	2.90	3.11	3.31	3.52	3.72	3.92	4.12	4.32	4.51	4.71	4.90	5.09	5.27
60X40	63.69	1.55	1.85	2.15	2.45	2.75	3.04	3.34	3.63	3.92	4.20	4.49	4.77	5.06	5.34	5.61	5.89	6.16	6.43	6.70	6.97	7.24
66X33	63.06	1.53	1.83	2.13	2.43	2.72	3.01	3.30	3.59	3.88	4.16	4.44	4.72	5.00	5.28	5.55	5.83	6.10	6.36	6.63	6.90	7.16
75X25	63.69	1.55	1.85	2.15	2.45	2.75	3.04	3.34	3.63	3.92	4.20	4.49	4.77	5.06	5.34	5.61	5.89	6.16	6.43	6.70	6.97	7.24
80X40	76.43	1.86	2.23	2.59	2.95	3.31	3.67	4.03	4.38	4.73	5.08	5.43	5.78	6.12	6.47	6.81	7.15	7.48	7.82	8.15	8.48	8.81
96X48	91.72	2.24	2.68	3.12	3.56	3.99	4.43	4.86	5.29	5.71	6.14	6.56	6.99	7.41	7.82	8.24	8.65	9.07	9.48	9.88	10.29	10.69
100X50	95.54	2.33	2.79	3.25	3.71	4.16	4.61	5.06	5.51	5.96	6.40	6.85	7.29	7.73	8.16	8.60	9.03	9.46	9.89	10.32	10.74	11.16
122X61	116.6	2.85	3.41	3.98	4.54	5.09	5.65	6.20	6.76	7.31	7.86	8.40	8.95	9.49	10.03	10.57	11.10	11.64	12.17	12.70	13.23	13.76
145X82	144.6	3.54	4.24	4.94	5.64	6.34	7.03	7.73	8.42	9.10	9.79	10.48	11.16	11.84	12.52	13.19	13.87	14.54	15.21	15.88	16.55	17.21
150x75	143.3	3.51	4.21	4.90	5.59	6.28	6.97	7.66	8.34	9.02	9.70	10.38	11.06	11.73	12.40	13.07	13.74	14.41	15.07	15.74	16.40	17.05
150x100	159.2	3.90	4.68	5.45	6.22	6.99	7.76	8.52	9.28	10.04	10.80	11.56	12.31	13.07	13.82	14.57	15.31	16.06	16.80	17.54	18.28	19.02
172X92	168.2	4.12	4.94	5.76	6.57	7.38	8.20	9.00	9.81	10.62	11.42	12.22	13.02	13.81	14.61	15.40	16.19	16.98	17.77	18.55	19.34	20.12
200X100	191.1	4.69	5.62	6.55	7.48	8.40	9.33	10.25	11.17	12.09	13.00	13.92	14.83	15.74	16.64	17.55	18.45	19.36	20.26	21.16	22.05	22.95

GI PIPE

Galvanised Iron (GI) Pipes are manufactured using mild steel strips of Low Carbon Steel Coils. The strips are passed through a series of fin rolls to give them a circular shape. The slit ends of the strips are then welded together by continuously passing high frequency electric current across the edges. The welded steel pipes are then passed through sizing sections where any dimensional deviations are corrected. The pipes are then cut into desired lengths by automatic cutting machines. The tubes are then pressure tested for any leaks randomly. The galvanization and varnishing of pipes are done as per specific requirements.

APPLICATIONS AND USES

The GI Pipes are generally used for distribution of treated or raw water in rural or urban areas. These pipes are cheaper, light weight and easy to handle.

- Water and Sewage Pipes
- Electric Poles
- Structural Purposes
- Engineering Purposes
- Automotive Purposes
- Oil and Gas Transmissions

Some of the applications of these pipes are mentioned below.



**STRUCTURAL
EQUIPMENTS**



**WATER AND SEWAGE
SYSTEM**



**PETROCHEMICAL
INDUSTRY**

PIPE FITTINGS

Pipe fittings allow pipes to be joined or installed in the appropriate place and terminated or closed wherever necessary. They are an essential part of piping systems. There are thousands of specialized fittings manufactured. Each type of pipe or tube requires its own type of fitting, but usually all pipe fittings share some common features. The basic purpose of using pipe fittings in pipe systems is to connect the bores of two or more pipes or tubes. Pipe fittings are used in piping systems normally (i) to connect straight pipe or tubing sections, (ii) to adapt to different sizes or shapes, (iii) to branch or re-direct the piping system, (iv) if necessary to provide a jointing method if two dissimilar piping materials are used in the one system, and (v) for other purposes, such as regulating, measuring or changing the direction of the fluid flow or to connect up threaded pipe and equipment. They are also used to close or seal a pipe.

There are different types of pipe fitting used in piping. Some of them are mentioned below.



COUPLING



MS TEE



MS UNION



MS FLANGE



MS ELBOW



REDUCER



Tarachand Ramautar

Distributor of MS & GI ERW Pipe & Pipe Fittings

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