



HARIOM[®]
PIPES | SCAFFOLDINGS | COILS

ENGINEERED FOR TRUST
BUILT FOR STRENGTH



**True
Green**[™]
Renewable & Sustainable
HARIOM

SAHI AUR MAJBOOT CHUNO

Headquartered in Hyderabad, Telangana, Hariom Pipe Industries Limited is part of the prestigious Hariom Group. The Group was founded by the late industrialist, **Shri Hariom Golas in 1962**. We are a premium manufacturer of iron and steel products with a diverse product portfolio consisting of **Sponge iron, Mild Steel (MS) Billets, Hot Rolled (HR) Coils, Cold Rolled (CR) Coils, Galvanized Coils, and Scaffolding Systems**. Our products find industrial applications across various sectors, underscoring our commitment to craftsmanship and customer satisfaction.

We produce tubes and pipes under the brand names **HARIOM and HPIL**, adhering to the Bureau of Indian Standards for circular, square, and rectangular sections. The company produces HR and CR pipes in sizes up to 150×150mm for square sections, 200×100mm for rectangular sections, and 175 NB for circular sections.

We specialize in manufacturing high-quality **GP (pre-galvanized) pipes and GI (hot dipped galvanized) pipes**, ensuring top-notch durability and performance. Our pipes meet rigorous industry standards, suitable for a broad spectrum of applications, from residential plumbing to heavy-duty industrial use.

Our new **state-of-the-art manufacturing plant in Mahbubnagar, Telangana**, produces and supplies HR/HRPO (Hot Rolled Pickled and Oiled), CRCA (Cold Rolled Close Annealed), CRFH (Cold Rolled Full Hard), and GP (Pre-Galvanized) Coils to the local and South Indian markets. We have a well-organized team of experts dedicated to research and development (R&D), enabling us to produce pipes, coils, and sheets according to customer specifications while adhering to stringent quality standards.



Mahbubnagar Plant



Perundurai Plant

Leading with Advanced Technologies

Our **state-of-the-art tandem mill** represents the pinnacle of innovation and efficiency in pipe manufacturing, allowing us to streamline production while ensuring consistent, high-precision results up to 0.4mm. This advanced technology not only enhances our capacity but also significantly reduces energy consumption and operational costs, providing value to our customers.

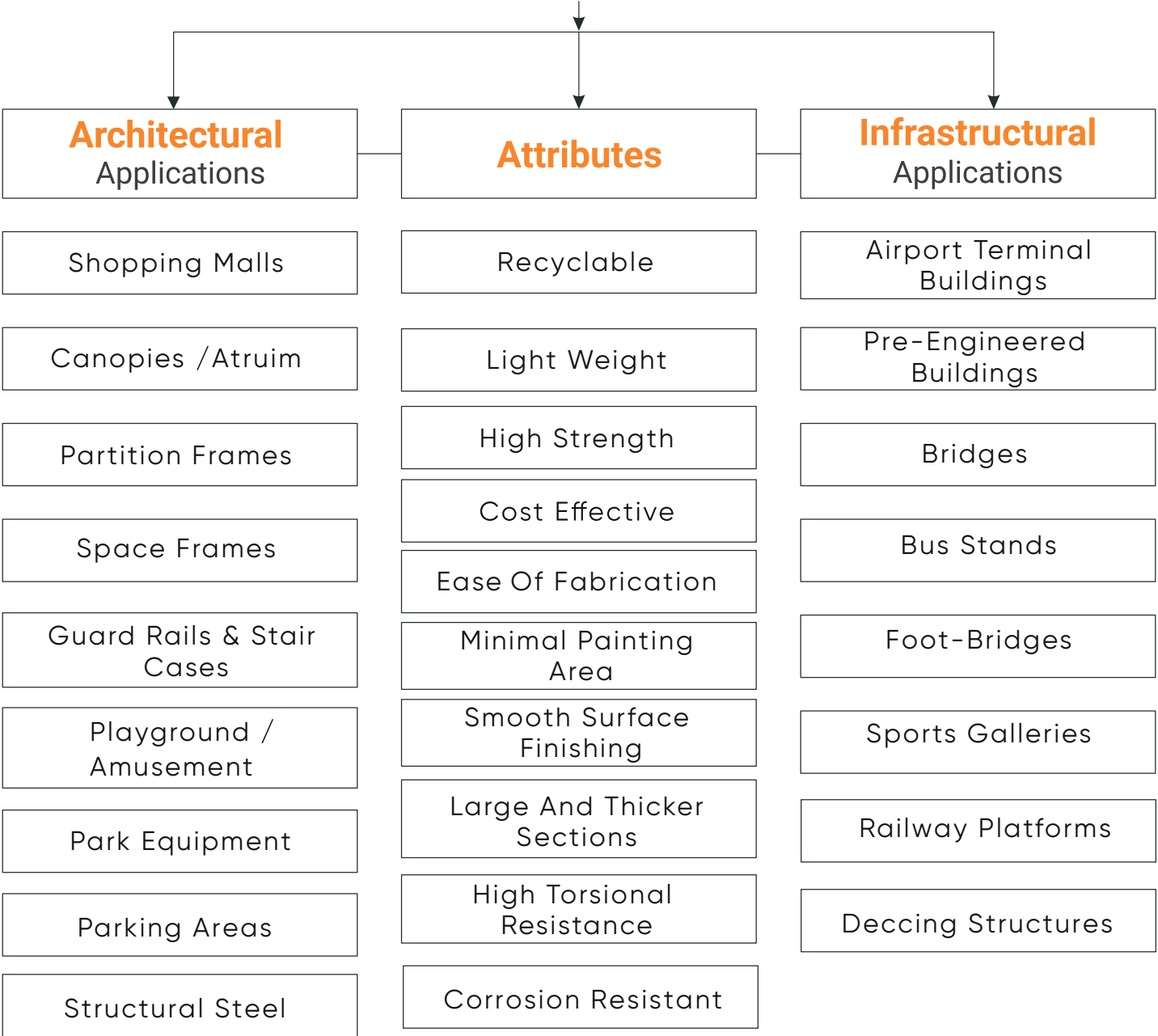




APPLICATION

Hariom Products

Hariom Products are applied under the following segments



Shopping Mall



Pergolas / Sheds



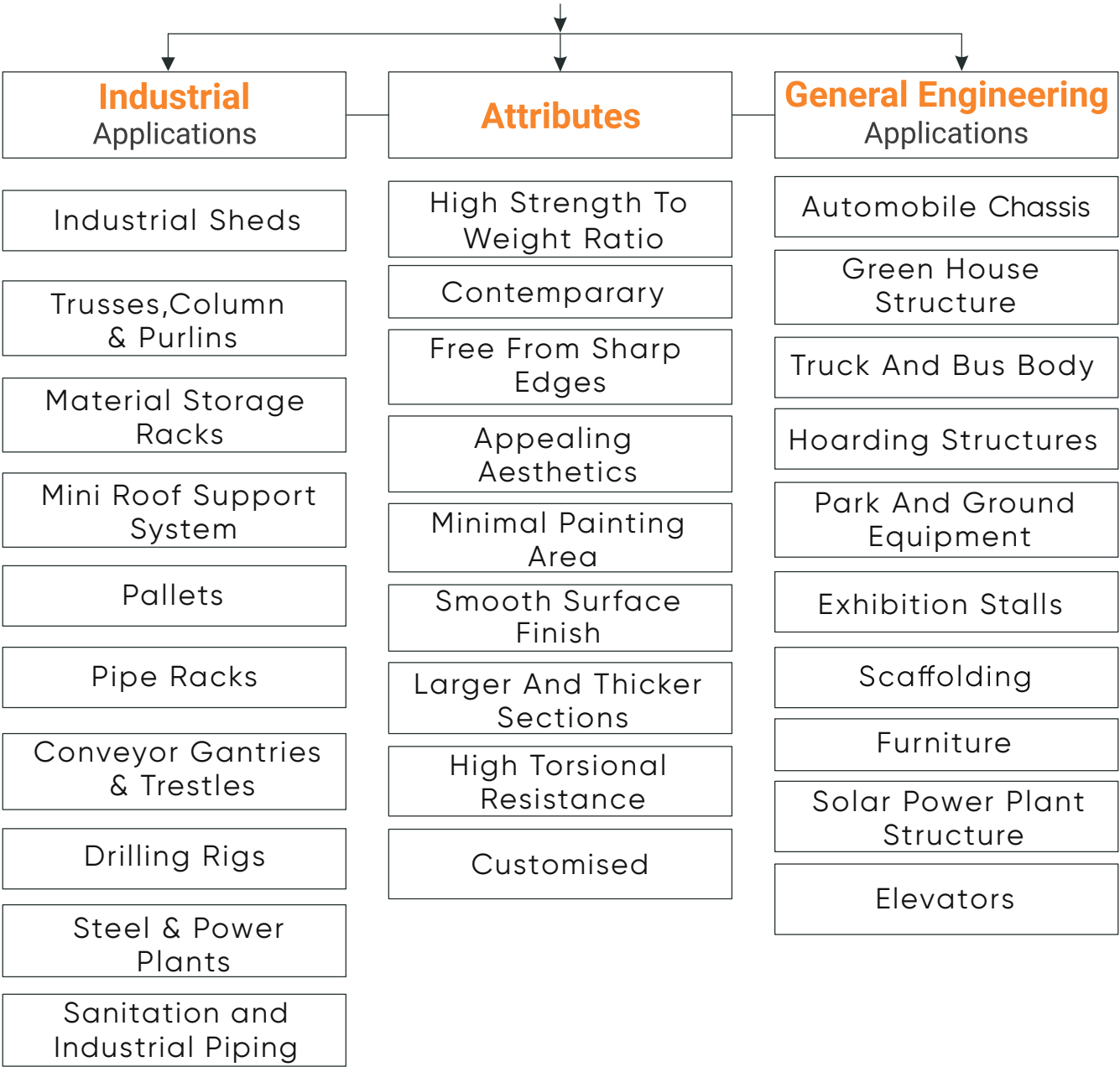
Gates



APPLICATION

Hariom Products

Hariom Products are applied under the following segments



Trusses

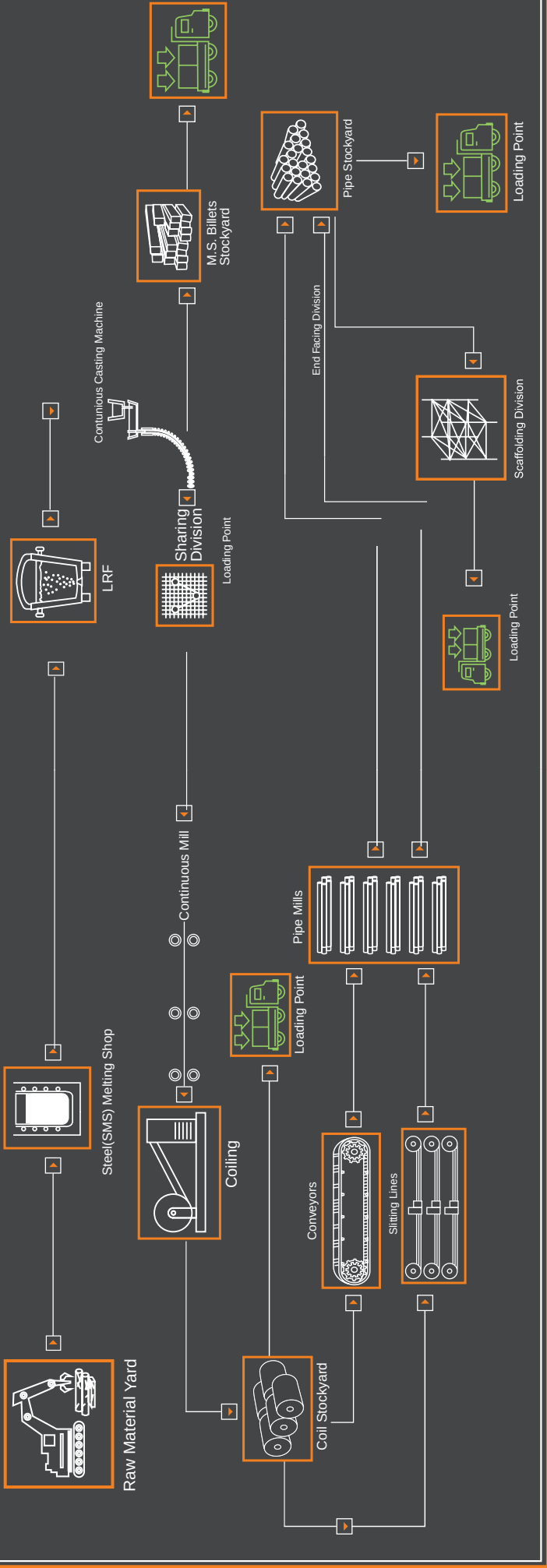


Play ground equipment



Solar Power Plant Structure

MANUFACTURING PROCESS



BIS APPROVALS

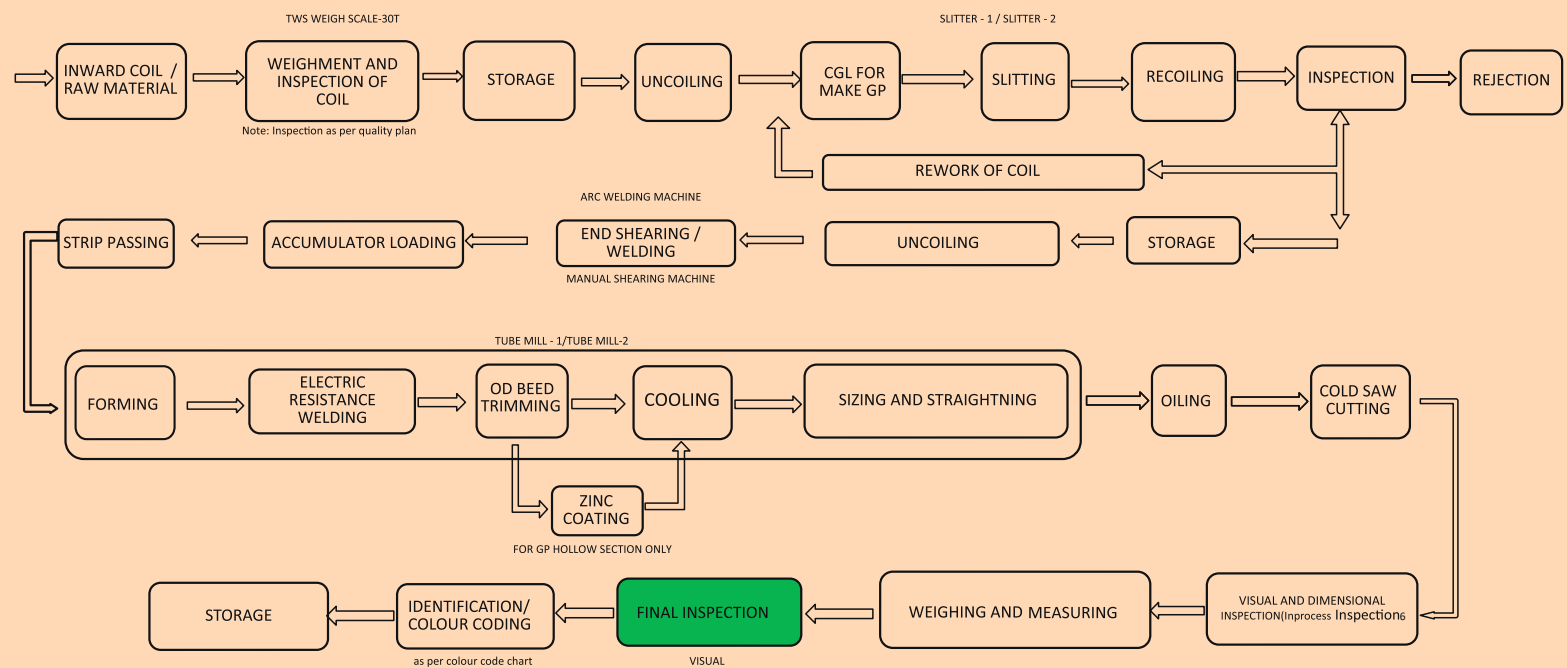


ISO CERTIFICATION

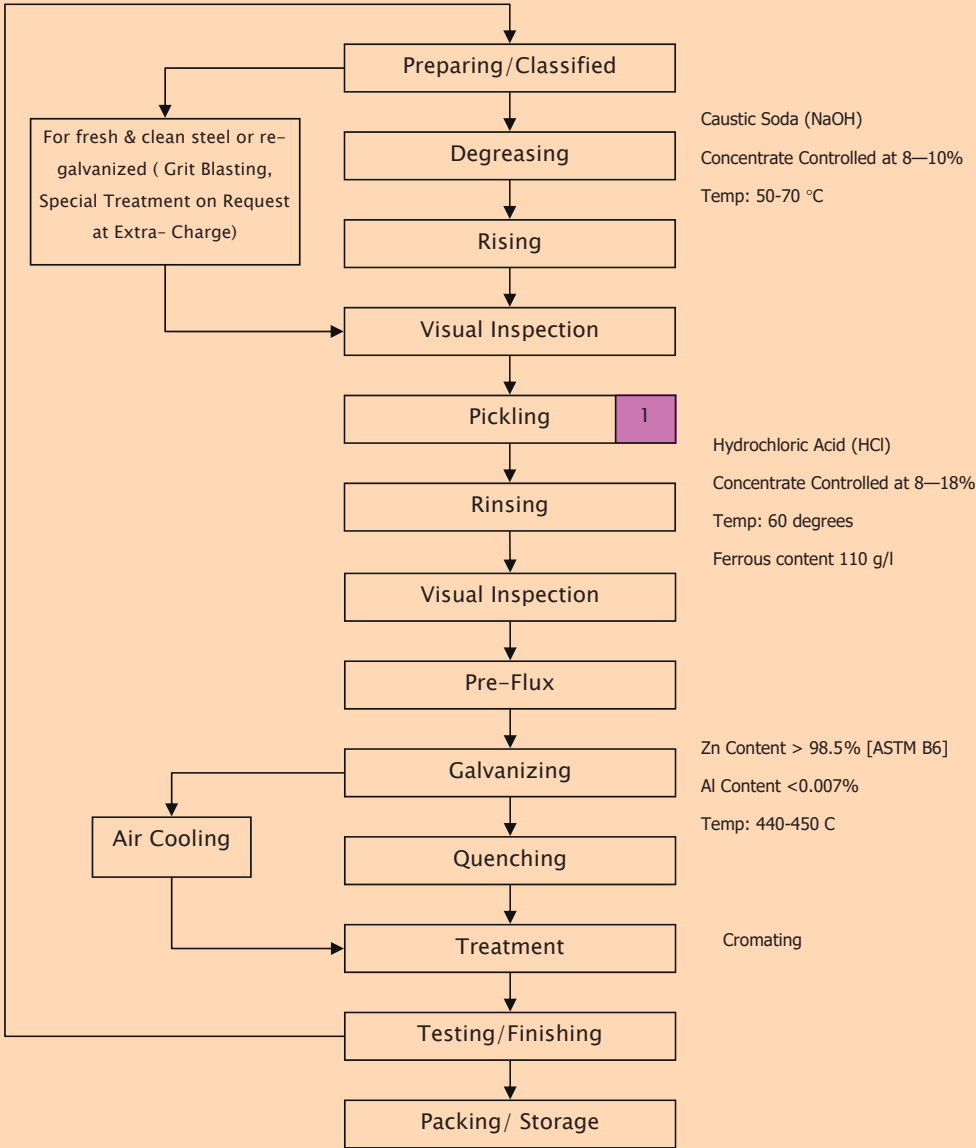


Glimpse of Product Manufacturing

Process Flow Diagram | Raw Material to End Product



Galvanizing Process



ERW Steel Tubes : Conforming to IS 1239 (PART-1): 2004

For Ordinary use in Water, non Hazardous Gases, Air and Steam

NB Series		Outside Diameter		Wall Thickness		Nominal Weight			
		Min	Max			Plain End		Screwed & Socketed	
		mm	mm	mm	SWG	Kg/Mtr	Meters/Tonne	Kg/Mtr	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	13	1.38	725	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	76.0	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	10.00	100
	M	113.1	115.0	4.5	7	12.2	82	12.50	80
	H	113.1	115.0	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	166.5	4.8	6	18.9	53	19.50	
	H	163.9	166.5	5.4	5	21.3	47	21.90	46

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



ERW Steel Tubes For Structural Purposes
Conforming to IS 1161:2014 CHS

Grade YSt 210, YSt 240, YSt 310, YSt 355

NB	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	21.3	2.0	0.947	1058	1.00	1003
		2.6	1.21	826	1.26	794
		3.2	1.44	694	1.49	671
20	26.9	2.3	1.38	725	1.43	699
		2.6	1.56	641	1.61	221
		3.2	1.87	535	1.92	521
25	33.7	2.6	1.98	505	2.03	493
		3.2	2.41	415	2.46	407
		4.0	2.93	341	2.98	336
32	42.4	2.6	1.54	394	2.62	382
		3.2	3.10	323	3.18	314
		4.0	3.79	264	3.87	258
40	48.3	2.9	3.23	310	3.34	299
		3.2	3.56	281	3.67	272
		4.0	4.37	229	4.48	223
50	60.3	2.9	4.08	245	4.20	238
		3.2	5.03	199	5.15	194
		4.0	6.19	162	6.31	158
65	76.1	2.9	5.24	191	5.38	186
		3.6	6.42	156	6.57	152
		4.5	7.93	126	8.10	123
80	88.9	3.2	6.72	149	6.9	145
		4.0	8.36	120	8.54	117
		4.8	9.90	101	10.08	99
90	101.6	3.6	8.70	115	8.97	111
		4.0	9.63	144	7.20	139
		4.8	11.50	87	11.77	85
100	114.3	3.6	9.75	103	9.97	100
		4.5	12.2	82	12.42	81
		5.4	14.5	69	14.72	68
110	127	4.5	13.6	74	13.9	72
		4.8	14.5	69	14.8	68
		5.4	16.2	62	14.8	61
125	139.7	4.5	15.0	67	15.25	66
		4.8	15.9	63	16.15	62
		5.4	17.9	56	18.15	55
135	152.4	4.5	16.4	61	16.78	60
		4.8	17.5	57	77.88	56
		5.4	19.6	51	19.98	55
150	165.1	4.5	17.8	56	18.2	55
		4.8	18.9	52	19.8	51
		5.4	21.3	47	21.7	46
150	168.3	4.5	18.2	55	18.66	54
		4.8	19.4	52	19.88	50
		5.4	21.7	46	22.24	45
175	193.7	6.3	25.2	40	41	24
		4.8	22.4	45	22.94	44
		5.4	25.1	40	25.64	39
		5.9	27.3	37	27.84	36

Tensile Properties			
Grade	Y.S. (Min) Mpa (KG/MM2)	T.S (Min) Mpa (KG/MM2)	% Age Elongation on
YST-210	210(21.42)	330(33.66)	20
YST-240	240(41.82)	410(41.82)	17
YST-310	310 31.62	450 (45.60)	14

Weight	Tolerance
Single Tube	± 10%
10 Ton Lot	± 7.5%

Tolerance
1. On outside diameter up to & including 48.3mm=+0.4mm/ -0.8mm
2. Over 48.3 mm=+/- 1%

Thickness	Tolerance
For All Size Welded Tubes	±10%

ERW Steel Tubes for Mechanical
& General Engineering Purpose

IS 3601:2006

NB.Size		Approx O.D. (mm)	Thickness (mm)	Wt Kg/ Mtr.	Motors Per Tonne
mm	in				
15	1/2"	21.3	1.8	0.866	1155
			2.0	0.952	1050
			2.6	1.20	833
			3.2	1.43	699
20	3/4"	26.9	4.0	1.71	585
			1.8	1.11	901
			2.0	1.23	813
			2.3	1.40	714
25	1"	33.7	2.6	1.56	641
			3.2	1.67	535
			4.0	2.26	442
			2.0	1.56	641
32	1.25"	42.4	2.3	1.78	562
			2.6	1.99	503
			3.2	2.41	415
			4.0	2.93	341
40	1.5"	48.3	4.5	3.24	309
			2.3	2.27	441
			2.6	2.55	392
			3.2	3.09	324
50	2"	60.3	3.6	3.44	291
			4.0	3.79	264
			5.0	4.61	217
			5.4	4.93	203
65	2.5"	76.1	2.3	2.61	383
			2.6	2.93	341
			2.9	3.25	308
			3.2	3.56	281
80	3"	88.9	4.0	4.37	229
			4.9	5.23	191
			5.0	5.34	187
			5.6	5.900	170
100	4"	101.6	5.9	6.160	162
			2.3	3.29	304
			2.6	3.70	270
			2.9	4.11	243
125	5"	127	3.2	4.51	222
			3.6	5.03	199
			4.0	5.55	180
			4.5	6.19	162
150	6"	152.4	5.0	6.82	147
			5.6	7.55	133
			6.3	8.39	119
			2.6	5.24	191
175	7"	193.7	3.2	5.75	174
			3.6	6.44	155
			4.0	7.11	141
			4.5	7.95	126
200	8"	203.2	5.0	8.777	114
			2.9	6.15	163
			3.2	6.76	148
			4.0	8.38	119
225	9"	228.6	5.0	10.3	97
			5.4	11.1	90
			5.6	11.5	87
			6.3	12.8	78



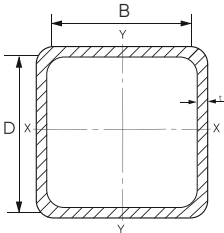
Steel Square Hollow Sections For Structural Purpose (SHS)

Conforming to IS 4923:2017 GRADE YSt 210, YSt 240, YSt 310, Yst 355 and IS: 18573 : 2024

SHS	D	B	Thickness	Sec Area	Unit Wt	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface Area Per Metre Length
DXB			T	A	W	I _{xx}	I _{yy}	R _{xx}	R _{yy}	Z _{xx}	Z _{yy}	I _t	C _t	
mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ⁴	cm ³	m ³ /m
20 x 20	20	20	1.6	1.11	0.87	0.61	0.61	0.74	0.74	0.61	0.61	1.03	0.92	0.075
	20	20	1.8	1.23	0.96	0.65	0.65	0.73	0.73	0.65	0.65	1.13	1.00	0.074
	20	20	2.0	1.34	1.05	0.69	0.69	0.72	0.72	0.69	0.69	1.21	1.06	0.073
25 x 25	20	20	2.2	1.44	1.13	0.73	0.73	0.71	0.71	0.73	0.73	1.29	1.12	0.072
	25	25	1.6	1.43	1.12	1.28	1.28	0.94	0.94	1.02	1.02	2.12	1.54	0.095
	25	25	2.0	1.74	1.36	1.48	1.48	0.92	0.92	1.19	1.19	2.53	1.80	0.093
	25	25	2.6	2.16	1.69	1.72	1.72	0.89	0.89	1.38	1.38	3.04	2.12	0.091
30 x 30	25	25	3.2	2.53	1.98	1.89	1.89	0.86	0.86	1.51	1.51	3.45	2.34	0.089
	30	30	1.6	1.75	1.38	2.31	2.31	1.15	1.15	1.54	1.54	3.77	2.32	0.115
	30	30	1.8	1.95	1.53	2.52	2.52	1.14	1.14	1.68	1.68	4.16	2.54	0.114
32 x 32	30	30	2.0	2.14	1.68	2.72	2.72	1.13	1.13	1.81	1.81	4.54	2.75	0.113
	30	30	2.5	2.59	2.03	3.16	3.16	1.10	1.10	2.10	2.10	5.40	3.20	0.111
	32	32	2.0	2.30	1.80	3.37	3.37	1.21	1.21	2.10	2.10	5.58	3.18	0.121
38 x 38	32	32	2.6	2.88	2.26	4.02	4.02	1.18	1.18	2.51	2.51	6.86	3.82	0.119
	32	32	3.2	3.42	2.69	4.54	4.54	1.15	1.15	2.84	2.84	7.96	4.34	0.117
	38	38	2.0	2.78	2.18	5.88	5.88	1.46	1.46	3.10	3.10	9.60	4.67	0.145
40 x 40	38	38	2.6	3.51	2.75	7.14	7.14	1.43	1.43	3.76	3.76	11.93	5.69	0.143
	38	38	3.2	4.19	3.29	8.18	8.18	1.40	1.40	4.30	4.30	14.01	6.55	0.141
	38	38	4.0	5.03	3.95	9.26	9.26	1.36	1.36	4.87	4.87	16.38	7.48	0.138
49.5 x 49.5	40	40	2.6	3.72	2.92	8.45	8.45	1.51	1.51	4.23	4.23	14.06	6.39	0.151
	40	40	2.9	4.09	3.21	9.12	9.12	1.49	1.49	4.56	4.56	15.34	6.91	0.150
	40	40	3.2	4.45	3.49	9.72	9.72	1.48	1.48	4.86	4.86	16.55	7.39	0.149
60x60	40	40	4.0	5.35	4.20	11.08	11.08	1.44	1.44	5.54	5.54	19.44	8.48	0.146
	49.5	49.5	2.6	4.70	3.69	16.91	16.91	1.90	1.90	6.83	6.83	27.59	10.31	0.189
	49.5	49.5	2.9	5.19	4.07	18.37	18.37	1.88	1.88	7.42	7.42	30.26	11.21	0.188
72x72	49.5	49.5	3.6	6.28	4.93	21.42	21.42	1.85	1.85	8.66	8.66	36.07	13.12	0.186
	49.5	49.5	4.5	7.58	5.95	24.64	24.64	1.80	1.80	9.96	9.96	42.66	15.19	0.183
	60	60	2.6	5.80	4.55	31.33	31.33	2.33	2.33	10.44	10.44	50.38	15.72	0.231
75x75	60	60	2.9	6.41	5.03	34.21	34.21	2.31	2.31	11.4	11.4	55.44	17.18	0.230
	60	60	3.2	7.01	5.50	36.94	36.94	2.3	2.3	12.31	12.31	60.34	18.57	0.229
	60	60	4.0	8.55	6.71	43.55	43.55	2.26	2.26	14.52	14.52	72.64	21.97	0.226
80x80	60	60	4.8	10.01	7.85	49.22	49.22	2.22	2.22	16.41	16.41	83.81	24.94	0.224
	72	72	3.2	8.54	6.71	66.32	66.32	2.79	2.79	18.42	18.42	106.82	27.74	0.277
	72	72	4.0	10.47	8.22	79.03	79.03	2.75	2.75	21.95	21.95	129.54	33.13	0.274
91.5 x 91.5	72	72	4.8	12.31	9.66	90.31	90.31	2.71	2.71	25.09	25.09	150.63	37.97	0.272
	75	75	1.6	4.63	3.64	41.29	41.29	2.99	2.99	11.01	11.01	64.09	16.52	0.225
	75	75	1.8	5.19	4.07	45.94	45.94	2.98	2.98	12.25	12.25	71.62	18.39	0.294
100 X 100	75	75	2.0	5.74	4.50	50.49	50.49	2.97	2.97	13.46	13.46	79.05	20.22	0.293
	75	75	2.2	6.28	4.93	54.93	54.93	2.96	2.96	14.65	14.65	86.36	22.00	0.292
	75	75	2.5	7.09	5.56	61.38	61.38	2.94	2.94	16.37	16.37	97.13	24.60	0.291
113.5 x 113.5	75	75	2.8	7.88	6.19	67.60	67.60	2.93	2.93	18.03	18.03	108	27	0.290
	75	75	3.0	8.41	6.60	71.62	71.62	2.92	2.92	19.10	19.10	115	29	0.290
	80	80	3.2	9.57	7.51	92.72	92.72	3.11	3.11	23.18	23.18	148	35	0.309
132 x 132	80	80	4.0	11.75	9.22	111.05	111.05	3.07	3.07	27.76	27.76	180	42	0.306
	80	80	4.8	13.85	10.87	127.59	127.59	3.04	3.04	31.90	31.90	211	48	0.304
	91.5	91.5	3.6	12.32	9.67	156.50	156.50	3.56	3.56	34.21	34.21	250	51	0.354
150 x 150	91.5	91.5	4.5	15.14	11.88	187.58	187.58	3.52	3.52	41.00	41.00	304	62	0.351
	91.5	91.5	5.4	17.85	14.01	215.69	215.69	3.48	3.48	47.14	47.14	355	71	0.347
	100	100	4.0	14.95	11.73	226.36	226.36	3.89	3.89	45.27	45.27	362	68	0.386
150 x 150	100	100	5.0	18.36	14.41	271.11	271.11	3.84	3.84	54.22	54.22	441	82	0.383
	100	100	6.0	21.63	16.98	311.49	311.49	3.79	3.79	62.30	62.30	514	94	0.379
	113.5	113.5	4.8	20.28	15.92	393.32	393.32	4.40	4.40	69.31	69.31	631	104	0.438
150 x 150	113.5	113.5	5.4	22.60	17.74	432.60	432.60	4.38	4.38	76.23	76.23	700	115	0.435
	132	132	4.8	23.83	18.71	634.41	634.41	5.16	5.16	96.12	96.12	1009	145	0.512
	132	132	5.4	26.60	20.88	700.13	700.13	5.13	5.13	106.08	106.08	1121	160	0.509
150 x 150	150	150	4.0	22.95	18.01	807.83	807.83	5.93	5.93	107.71	107.71	1265	162	0.586
	150	150	5.0	28.36	22.26	982.14	982.14	5.89	5.89	130.95	130.95	1554	197	0.583
	150	150	6.0	33.63	26.40	1145.94	1145.94	5.84	5.84	152.79	152.79	1833	230	0.579
150 x 150	150	150	7.0	38.78	30.44	1299.5	1299.49	5.79	5.79	173.27	173.27	2108	260	0.570
	150	150	8.0	43.79	34.38	1443.1	1443.06	5.74	5.74	192.41	192.41	2364	289	0.566

OTHER ALLOWABLE STRESSES VALUES (in Mpa)

Steel Grade	Minimum Yield Stress	Minimum UTS	Axial Street in Tension	Bending Stress In Ten of Compn.	Shear Stress	Bearing Stress	Equivalent Stress
Yst 210	210	330	--	--	--	--	--
Yst 240	240	410	144	158	108	180	216
Yst 310	310	450	186	205	140	232	279



Note: Mnimum % Elongation: 10% for GR. Yst 240 & 20 % for Yst 210

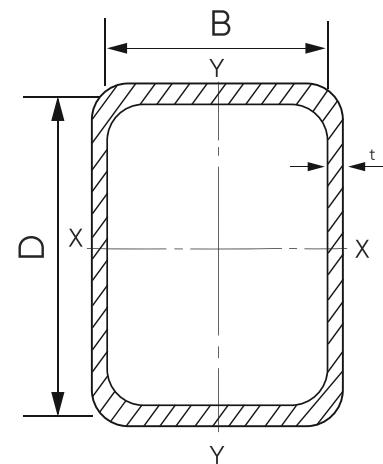
Steel Rectangular Hollow Sections For Structural Purpose (RHS)

Conforming to IS 4923 GRADE YSt 210, YSt 240, YSt 310, YSt 355 and IS:18573: 2024

RHS	D	B	Thickness	Sec Area	Unit Wt	Moment of Inertia		Radius of Gyration		Elastic Modulus		Torsional Constants		Outer Surface Area Per Metre Length
DXB			T	A	W	I _{xx}	I _{yy}	R _{xx}	R _{yy}	Z _{xx}	Z _{yy}	I _t	C _t	
mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ⁴	cm ³	m ² /m
40 x 20	40	20	1.6	1.75	1.38	3.43	1.15	1.40	0.81	1.72	1.15	2.89	2.01	0.115
	40	20	1.8	1.95	1.53	3.75	1.25	1.39	0.80	1.88	1.25	3.18	2.19	0.114
	40	20	2.0	2.14	1.68	4.05	1.34	1.38	0.79	2.02	1.34	3.45	2.36	0.113
	40	20	2.2	2.32	1.82	4.32	1.43	1.36	0.78	2.16	1.43	3.71	2.51	0.112
	40	20	2.5	2.59	2.03	4.69	1.54	1.35	0.77	2.35	1.54	4.06	2.72	0.111
50 x 25	50	25	2.0	2.74	2.15	8.38	2.81	1.75	1.01	3.35	2.25	7.06	3.92	0.143
	50	25	2.6	3.46	2.71	10.16	3.36	1.71	0.99	4.06	2.69	8.68	4.72	0.141
	50	25	3.2	4.13	3.24	11.63	3.80	1.68	0.96	4.65	3.04	10.08	5.38	0.139
	50	25	4.0	4.95	3.88	13.13	4.23	1.63	0.92	5.25	3.38	11.57	6.05	0.136
60 x 40	60	40	2.6	4.76	3.73	22.76	12.09	2.19	1.59	7.59	6.05	25.99	10.02	0.191
	60	40	2.9	5.25	4.12	24.75	13.12	2.17	1.58	8.25	6.56	28.48	10.9	0.190
	60	40	3.6	6.35	4.98	28.90	15.23	2.13	1.55	9.63	7.62	33.86	12.73	0.188
	60	40	4.5	7.67	6.02	33.31	17.44	2.08	1.51	11.1	8.72	39.91	14.69	0.185
66 x 33	66	33	2.6	4.70	3.69	25.16	8.43	2.31	1.34	7.62	5.11	21.17	8.91	0.189
	66	33	2.9	5.19	4.07	27.33	9.12	2.30	1.33	8.28	5.53	23.13	9.66	0.188
	66	33	3.6	6.28	4.93	31.87	10.52	2.25	1.29	9.66	6.38	27.32	11.21	0.186
	66	33	4.5	7.58	5.95	36.64	11.93	2.20	1.25	11.10	7.23	31.9	12.84	0.183
80 x 40	80	40	2.6	5.80	4.55	46.58	15.74	2.84	1.65	11.65	7.87	38.87	13.66	0.231
	80	40	2.9	6.41	5.03	50.87	17.11	2.82	1.63	12.72	8.56	42.65	14.89	0.230
	80	40	3.2	7.01	5.50	54.95	18.41	2.80	1.62	13.74	9.21	46.28	16.05	0.229
	80	40	4.0	8.55	6.71	64.80	21.49	2.75	1.59	16.2	10.74	55.24	18.84	0.226
96 x 48	96	48	3.2	10.01	7.85	73.22	24.03	2.71	1.55	18.31	12.02	63.16	21.21	0.224
	96	48	3.2	8.54	6.71	98.61	33.28	3.40	1.97	20.54	13.87	82.38	24.09	0.277
	96	48	4.0	10.47	8.22	117.55	39.32	3.35	1.94	24.49	16.38	99.22	28.59	0.274
	96	48	4.8	12.31	9.66	134.36	44.55	3.30	1.90	27.99	18.56	115	32.56	0.272
100 x 50	100	50	3.6	9.95	7.81	123.52	41.57	3.52	2.04	24.70	16.63	104	20.92	0.288
	100	50	4.5	12.17	9.55	146.61	48.87	3.47	2.00	29.32	19.55	124	34.18	0.285
	100	50	5.4	14.28	11.21	166.83	55.09	3.42	1.96	33.37	22.04	143	38.75	0.281
	100	50	6.0	15.63	12.27	178.77	58.68	3.38	1.94	35.75	23.47	154	41.43	0.279
120 x 60	120	60	3.2	10.85	8.51	199.89	67.95	4.29	2.50	33.31	22.65	166	39.21	0.349
	120	60	3.6	12.11	9.50	220.76	74.77	4.27	2.49	36.79	24.92	184	43.22	0.348
	120	60	4.5	14.87	11.67	264.53	88.88	4.22	2.44	44.09	29.63	222	51.58	0.345
	122	61	3.6	12.32	9.67	232.62	78.83	4.34	2.53	38.13	25.85	193	44.81	0.354
122 x 61	122	61	4.5	15.14	11.88	278.95	93.79	4.29	2.49	45.73	30.75	234	53.52	0.351
	122	61	5.4	17.85	14.01	320.85	107.03	4.24	2.45	52.60	35.09	272	61.34	0.347
	145	82	4.8	20.28	15.92	555.18	228.51	5.23	3.36	76.58	55.73	530	95	0.438
	145	82	5.4	22.60	17.74	610.87	250.60	6.20	3.33	84.26	61.12	586	104	0.435
172 x 92	172	92	4.8	23.83	18.71	917.15	346.92	6.20	3.82	106.66	75.42	819	129	0.512
	172	92	5.4	26.60	20.88	1012.50	381.75	6.17	3.79	117.73	82.99	908	142	0.509
	180	70	4.8	22.49	17.65	864.57	194.72	6.20	2.94	96.06	55.64	5.32	100	0.484
	180	70	5.4	25.08	19.69	952.91	213.31	6.16	2.92	105.88	60.95	588	109	0.481
180 x 70	180	70	6.0	27.63	21.69	1037.1	230.75	6.13	2.89	115.23	65.93	641	119	0.479
	180	70	8.0	35.79	28.10	1288.2	280.92	6.00	2.80	143.13	80.26	800	144	0.466
200 x 100	200	100	4.0	22.95	18.01	1199.7	410.78	7.23	4.23	119.97	82.16	985	142	0.536
	200	100	5.0	28.36	22.26	1459.3	496.95	7.17	4.19	145.93	99.39	1206	172	0.583
	200	100	6.0	33.63	26.40	1703.36	576.93	7.12	4.14	170.34	115.39	1417	200	0.579
	200	100	7.0	38.78	30.44	1932.3	650.95	7.06	4.10	193.23	130.19	1622	226	0.570
	200	100	8.0	43.79	34.38	2146.3	719.22	7.00	4.05	214.63	143.84	1811	250	0.566

General technical specifications and tolerances

- Spec : IS: 4923: 1997/EN 10219-1:2006/ASTM A-500
- Length : 6.0m± 0.05mm Customized Length ranging from 4 m to 12m may be supplied
- Thickness : For all sizes: ± 10.0%



ERW STEEL PIPES FOR WATER WELLS (CASING PIPES)

CONFORMING TO IS: 4270:2001 FE 410 AND FE 450

N.B. size	Out side Diameter	Wall Thickness	Nominal Weight	
mm	mm	mm	Kg/m	m/Tone
100	114.3	5.0	13.48	74
		5.4	14.5	69
		5.0	16.8	59
125	141.3	5.0	16.8	59
		5.4	18.1	55
		7.1	23.5	42.5
150	168.3	5.0	20.13	50
		5.4	21.6	46
		7.1	28.2	35.5
175	193.7	5.4	25.1	40
		6.4	29.6	34
		8.0	36.6	27

Physical Properties			
Grade	Y.S. (Min) MPa	T.S. (Min) MPa(Min)	Percentage MIN. Elongation on 5.65/SO=GL.
Fe 410	235	410	15

Tolerance	
a. Outside diameter of pipe	± 1.0%
b. Thickness Up to 193.7mm OD	(+) 15% (-)12.5%
c. Weight - Single Tube	(+)10% (-)8%
d. Length	4 to 12 mtrs



** There are preferred included OD & thickness. Other sizes not include.

CRCA Precision tubes weight chart

SIZE (OD)mm	THICKNESS (mm)									
	0.60	0.70	0.80	0.90	1.00	1.20	1.40	1.60	1.80	2.00
9.53	0.81	0.94	1.08	1.21	1.35	1.62				
12.70	1.08	1.26	1.44	1.62	1.8	2.16	2.52	2.88		
15.88	1.35	1.57	1.8	2.02	2.25	2.7	3.15	3.6	4.05	4.5
19.05	1.62	1.89	2.16	2.43	2.7	3.24	3.78	4.32	4.86	5.39
22.23	1.89	2.2	2.52	2.83	3.15	3.78	4.41	5.04	5.67	6.3
25.40	2.16	2.52	2.88	3.24	3.6	4.32	5.04	5.75	6.47	7.19
31.75	2.7	3.15	3.6	4.05	4.5	5.39	6.29	7.19	8.09	8.99
38.10	3.24	3.78	4.32	4.86	5.39	6.47	7.55	8.63	9.71	10.79
48.30					6.84	8.21	9.57	10.94	12.31	13.68
50.80					7.19	8.63	10.07	11.51	12.95	14.39
63.50					8.99	10.79	12.59	14.39	16.18	17.98
76.20					10.79	12.95	15.11	17.26	19.42	21.58



Other available sizes are:

In SHS	In RHS
15x15 mm	40x20 mm
25x25 mm	80x40 mm
30x30 mm	

GP Pipes (Pre-Galvanized)

We specialise in manufacturing high quality GP Pipes (Pre-Galvanized) in Circular, Square & Rectangular Sections, catering to broad spectrum of applications from residential to heavy duty industrial usages. GP pipes are manufactured from High Quality Galvanized Coils procured from Top Class suppliers in India, ensuring top-notch durability and performance to meet rigorous industry standards.



Product	Size Range	Thickness
G.P. Square	15X15mm to 100X100 mm	0.80 mm to 3.00 mm according to OD/Thick. Ratio.
G.P. Rectangular	40X10 mm to 100X50 mm	0.80 mm to 3.00 mm according to OD/Thick. Ratio.
G.P. Round	15 NB (21.3 mm OD) to 100 NB (114 mm OD)	0.80mm to 3.00mm according to OD/Thick. Ratio.

Our High Grade Quality Products :

GP Slit Coils

Galvanized sheets and coils are now the most trusted and the futuristic requirement of the country. Galvanized steel by virtue of its properties can withstand the worst corrosive atmospheric conditions. In Hariom pipes, we are equipped with a wide manufacturing range in Galvanized Plain Sheet & Coils, which are manufactured by zinc-coating on CR/HR coils. Most prominently, it is being used in constructing strong roofing systems for pre-engineered buildings.



Applications

- Purlins
- Cable Trays
- Shutters
- Guard Rails
- Automobiles
- Solar Structure
- Automotive Industry
- Pipes
- Furniture
- Window Reinforcement
- Sheet Metal Components
- Binding Strips Clips
- Stampings

Specification

	Description	GP Coils
1	Product Type	Slit / Coil mm
2	Coil ID	508
3	Range of Width	50 to 520 mm
4	Thickness Ranges	0.7 to 3.0 mm
5	Thickness Tolerance	Th + / - 0.01
6	Width Tolerance	Wd + / - 0.10
7	Surface Finish	Spangled / Mini Spangled / Zero Spangled

CRFH Slit Coils

we specialize in manufacturing top-tier Hot Rolled (CRFH) Coils in various slit sizes, tailored to meet our customers' unique needs. Our CRFH coils are sourced from reputable mills that employ cutting-edge technology, ensuring exceptional durability and performance.



Applications

- Industrial Cable Trays
- Different Industrial Setups
- Automobiles
- Pre-engineered Buildings
- Bridges
- Metros
- Airports
- Roll Forming
- Water Heaters
- Agricultural Machinery
- Compressor Chambers
- Guard Rails
- Pipes

Specification

	Description	CRFH Coils
1	Product Type	Slit / Coil mm
2	Coil ID	508
3	Range of Width	100 to 520 mm
4	Thickness Ranges	0.45 to 2.0 mm
5	Thickness Tolerance	+ / - 0.01 mm
6	Width Tolerance	+ / - 0.10 mm
7	Surface Finish	As Rolled

Free from surface defect, process defects, customised mechanical & chemical properties.

CRCA Slit Coils

CRCA, short for Cold Rolled Closed Annealed, is a procedure typically employed post-hot steel rolling to enhance its hardness. CRCA Coils, renowned for their outstanding quality and dependability, constitute a significant segment of steel coils. Employing a specialised cold rolling technique and annealing, these coils attain remarkable strength and surface perfection. Widely utilised across various industries, CRCA steel coils are prized for their distinctive attributes and unmatched performance, aesthetic appearance and drawability.

CRCA has variables that make cold-rolled products the favoured decision for construction, motor vehicles, and other applications.



Applications

- Engineering and Fabrication
- Automobiles
- Electrical Appliances
- Telecommunications Equipment
- Storage Solution
- Roll Forming
- IT Hardware
- Home Appliances
- Furniture
- Drums and Barrels
- Pipe Manufacturing

Specification

	Description	CRCA Coils
1	Product Type	Slit / Coil mm
2	Coil ID	508
3	Range of Width	100 to 520 mm
4	Thickness Ranges	0.40 to 2.00 mm
5	Thickness Tolerance	Th + / - 0.01
6	Width Tolerance	Wd + / - 0.10
7	Surface Finish	Bright / Glossy / Matt

HRPO Slit Coils

Our CR division develops customised products to meet customers' orders and requirements. We are equipped to supply HRPO/HRSP coils for various applications.

Specification

	Description	HRPO Coils
1	Product Type	Slit / Coil mm
2	Coil ID	508
3	Range of Width	100 to 520 mm
4	Thickness Ranges	1.6 to 3.0 mm
5	Thickness Tolerance	Th + / - 0.13 mm
6	Width Tolerance	Wd + / - 0.10 mm
7	Surface Finish	HRP / HRSP

Applications

- Automobile Industry
- Sheet Metal Manufacturers
- Pipes & Tubes
- Industrial & Engineering Parts
- White Good Manufactures
- Roll Forming



Free from surface defect, process defects, customised mechanical & chemical properties.

Other Special Products From Hariom:

- 1. BEEDING PIPE 40X20X10
- 2. D"PIPE (7/8")
- 3. 1" OVAL(30X16)
- 4. 1 "FLAT OVAL(33X12)
- 5. 1 1/4"OVAL
- 6. 1 1/2" OVAL (48X22)
- 7. ELLIPTICAL (56.24X11.24)
- 8. 2 1/2" RAIL
- 9. MULLION BAR



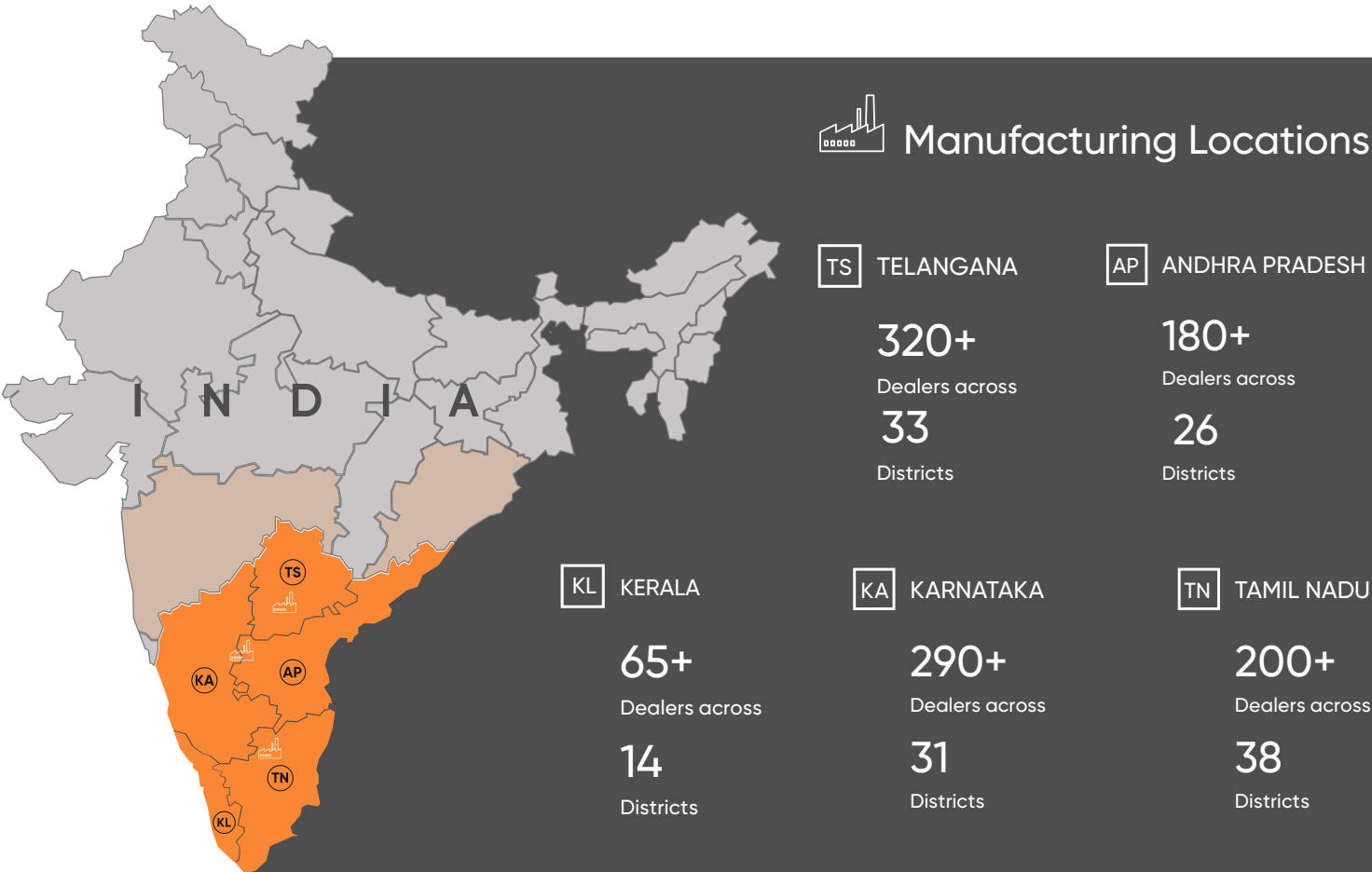
Scaffolding Systems:

Scaffolding Systems are a series of temporary work platforms on a construction site. They are helpful in conducting construction activities above the ground level.

We manufacture advanced scaffolding systems, including supported platform systems, suspended scaffolds and adjustable scaffolding systems. Our Scaffolding Systems have a longer life, accurate dimensions and can be customised as per the requirements of our clients.

Presence:

Hariom Pipe Industries Ltd. owns three state-of-the-art production facilities in the Indian states of Telangana, Andhra Pradesh, and Tamilnadu. The newest technology has been implemented in each of the three units.





Hariom Pipe Industries Limited

Corporate Office

Samarpan, #3-4-174/12/2,
Near Pillar No. 125, Attapur,
Hyderabad - 500048,
Telangana

Manufacturing Locations

UNIT 1
Survey No.58 & 63,
Sheriguda (V), Balanagar (M),
Mahabubnagar Dist - 509 202,
Telanagana

UNIT 2
Survey No. 98, D.Hirehal Village
D.Hirehal Mandal, Ananthapur
Andhra Pradesh - 515872

UNIT 3
Plot No. B-15 to B-28, SIPCOT INDL.
Growth Centre, Perundurai, Erode
Tamil Nadu - 638052

Warehouse:

H.No.2-34, Sy.no.151,
Dullapally Village, Qutubullapur
Mandal, Medchal District,
Telangana - 500014
Ph: +91 7207937903

NOTE- Only Warehouse in Telangana State, we do not have any branches.

Toll Free: 1800 1230 360
Call: +91 994 838 7000
sales@hariompipes.com

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