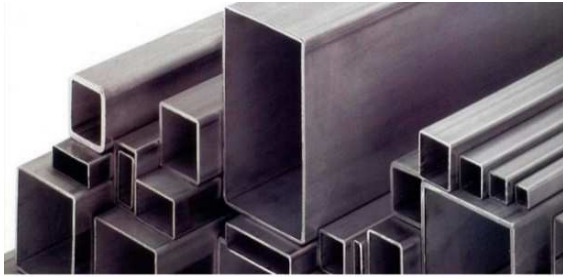


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Technical Data of ERW MS Black / GI Round Pipes (CHS)

Specification IS 1239 Part-1: 2004 / IS 1161 YST 210



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Dimensions			Approx weight in Kg / 6 meter length		
Size (mm)	Size (inch)	OD (mm)	Light 'A'	Medium 'B'	Heavy 'C'
15	1/2"	21	5.5	6.5	8
20	3/4"	27	7.3	9	11
25	1"	33	11	13	16
32	1 1/4"	42	15	17	21
40	1 1/2"	48	18	20	24
50	2"	60	22	28	34
65	2 1/2"	76	32	35	44
80	3"	89	36	46	55
100	4"	114	54	65	79
125	5"	140		88	100
150	6"	165		105	118

Thickness and mass are applicable for MS Black and GI Steel Pipes as IS 1239 Part I 2004 / IS 1161

Tolerance				
Thickness	Tolerance	Weight	Tolerance	Length Tolerance
Light 'A'	+ ' not limited & '-8%	Single Pipe (Light)	+/- 10%	Approx Length 6 meter or can be customized from 4 to 12 meter
Medium 'B' & Heavy 'C'	+ ' not limited & '-10%	Single Pipe (Medium & Heavy)	+/- 10%	

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Technical Data of ERW MS Black / GI Round Pipes (CHS)
Specification IS 3589 FE 310 / IS 4270

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Dimensions			Approx weight in Kg / 6 meter length		
Size (mm)	Size (inch)	OD (mm)	5mm	6mm	8mm
200	8"	219.1	158	190	250
250	10"	273	195	240	310
300	12"	323.9	235	282	375
350	14"	355.6	255	310	410
400	16"	406.4	300	355	475
450	18"	457.2	335	400	535
500	20"	508	375	445	590

Thickness and mass are applicable for MS Black and Galvanized Steel Pipes as IS 3589/2001 FE 330

Tolerance	
Outer Diameter of pipe	+/-' 0.75%
Ovality	= ' Maximum 1%
Thickness	+/-' 10%
Length	Approx Length 6 meter or can be customized from 4 to 12 meter

Physical Properties			
Grade	T.S Mpa	Y.S Mpa	Percentage of Elongation
FE330	330	195	20
FE410	410	235	18

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| ERW MS Pipes | GI Pipes | Box Pipes / Hollow Section (RHS/SHS) |



Square Hollow Section (SHS) Conforming to IS 4923 : 1997

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Dimensions	Approx weight in Kg /6 meter length								
Size (mm)	2mm	2.5mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm
20X20	7	9	10	-	-	-	-	-	-
25X25	9	11	13	-	-	-	-	-	-
32X32	12	14	17	-	-	-	-	-	-
40X40	14	18	20	28	34	-	-	-	-
50X50	18	22	26	34	40	-	-	-	-
60X60	22	28	32	44	50	-	-	-	-
72X72	28	33	38	50	60	76	-	-	-
80X80	-	-	45	57	72	85	-	-	-
91X91	-	-	51	66	80	100	-	-	-
100X100	37	47	55	72	90	110	140	170	-
113X113	-	-	65	85	100	120	-	-	-
120X120	-	-	-	90	110	130	170	-	-
132X132	-	-	73	100	120	145	-	-	-
150X150	-	-	85	110	135	165	210	260	-
180X180	-	-	-	135	165	200	260	320	-
200X200	-	-	-	150	185	220	300	360	430
220X220	-	-	-	165	200	240	320	400	470
250X250	-	-	-	185	230	280	370	450	540
300X300	-	-	-	-	280	335	450	550	650
350X350	-	-	-	-	-	390	510	640	760
400X400	-	-	-	-	-	-	590	730	880
450X450	-	-	-	-	-	-	660	830	1000
500X500	-	-	-	-	-	-	740	920	1111

General Technical specification and tolerances :

Specification	IS 4923/1997 YST 210/240/310/355
Length	Approx Length 6 meter or can be customized from 4 to 12 meter
Thickness	For all sizes: +/- 10%
Outer Dimensions	1% with a minimum of 0.5mm
Corner Squareness	900+/-20
Corner Radius	Maximum 3X (thickness of the section)
Weight	Individual length +/-10%

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| ERW MS Pipes | GI Pipes | Box Pipes / Hollow Section (RHS/SHS) |



Rectangular Hollow Section (RHS) Conforming to IS 4923 : 1997

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Dimensions	Approx weight in Kg / 6 meter length								
	2mm	2.5mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm
40X20	11	14	16	-	-	-	-	-	-
50X25	14	17	20	-	-	-	-	-	-
66X33	18	23	26	-	-	-	-	-	-
60X40	18	23	26	34	-	-	-	-	-
75X25	18	23	26	-	-	-	-	-	-
80X40	22	28	32	44	50	-	-	-	-
80X60	-	-	38	50	-	-	-	-	-
96X48	27	32	38	50	60	72	-	-	-
100X50	29	35	40	52	62	75	-	-	-
122X61	-	42	50	66	80	96	-	-	-
145X82	-	-	65	85	100	120	-	-	-
150X100	-	-	70	85	115	135	175	-	-
172X92	-	-	73	100	120	140	-	-	-
200X100	-	-	85	110	135	165	210	-	-
240X120	-	-	-	135	165	195	270	-	-
300X150	-	-	-	166	208	250	330	400	485
300X200	-	-	-	-	230	280	370	450	540
400X200	-	-	-	-	-	335	450	550	650
400X300	-	-	-	-	-	390	515	640	770
500X300	-	-	-	-	-	-	590	730	880
600X400	-	-	-	-	-	-	740	920	1111

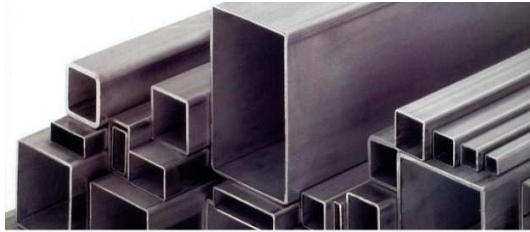
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We Represent :



Ans Pipes Pvt Ltd

Marketing Office

209, Shree Sharan Business Park
B/s Laxminarayan Petrol Pump
Changodar, Ahmedabad (Guj) 382213
Phone : +91 9824272833
Whatsapp : wa.me/919824272833
Email : info@anspipes.com
www.anspipes.com

E: info@anspipes.com, W: anspipes.com
Call: +91 9824272833