



METAGRREL TUBES PRIVATE LIMITED

Contact Us



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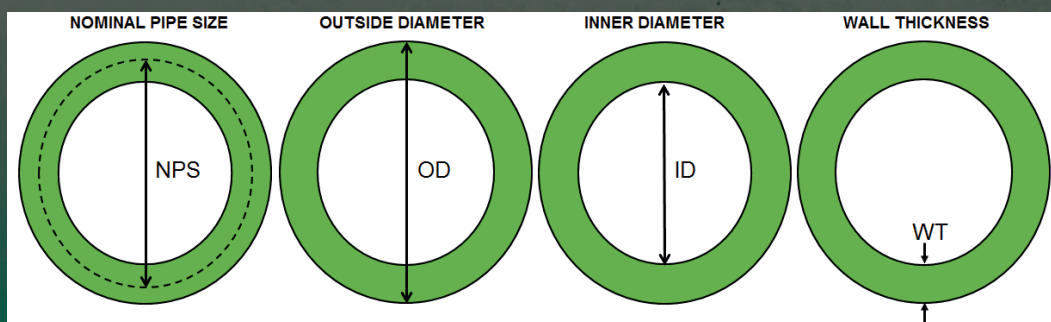
SI No.	Application	Indian Standard	Equivalent International Standard	Grade	Chemical composition				Mechanical Properties			Weld Test		Dimensional Tolerance		
					C	Mn	S	P	UTS	YS	Elongation	Flaring	Flattening	Condition	OD	Thickness
					Max Except Range Provided				Kgf/mm2	Kgf/mm2	%	Min %	Min			
1.	ERW Tube For Cycle & Allied Use	IS:2039/1991	BS:1717	ERWC1	0.15	0.06	0.06	0.06	30.6	20.4	10	12	3T	UpTo30mm	Plus 0.03/Minus 0.13	Plus/Minus 8%
				ERWC2	0.2	0.9	0.05	0.05	40.8	30.6	8	10	5T	30mm to 45 mm	Plus 0.06/Minus 0.14	
				ERWC3	0.25	1.2	0.05	0.05	43.9	35.7	8	8	8T			
2.	ERW Tube For Auto Motives	IS:3074/2005	BS:6323,Din:2394 Din:2393, JIS:G3445, Astim: A513, JIS: G3473, EN:10305	ERW 1	0.1	0.06	0.04	0.04	32	17	2	8	8T	UpTo25mm	Plus /Minus 0.10	Plus /Minus 0.10%
				ERW 2	0.25	1.2	0.04	0.04	39	25	15	12	2T	25-51mm	Plus /Minus 0.13	
				ERW 3	0.35	1.3	0.04	0.04	44	28	10	7	3T	51-63mm	Plus /Minus 0.18	
													>63mm	Plus /Minus 0.20		
3.	Steel Tubes for Mechanical & General Engg.	IS:3601/1984	BS:6232, JIS:G3445	WT 160	-	-	0.06	0.06	31.62	16.32	950/TS	12.5	3T	-	-	Plus /Minus 0.10%
				WT 210	-	-	0.06	0.06	33.62	20.4	960/TS	12.5	4T	-	-	
				WT 240	-	-	0.06	0.06	41.82	24.48	950/TS	10	6T	-	-	
				WT 310	-	-	0.06	0.06	45.9	31.62	930/TS	8	-	-	-	
4.	Steel Tubes for Furniture	IS:7138	JIS:G3445	-	-	-	0.06	0.06	32.62	21.42	20	7.5	5T	-	Plus /Minus 0.20	Plus /Minus 0.10%
5.	Steel Section Tubes	IS4923/1997	JIS:G3466, ASTM A500GrA	YST210	-	-	0.06	0.06	34	21	12to20	-	-	-	Plus 0.03/Minus 0.13	
				YST240	-	-	0.05	0.05	42	24	10to15	-	-	Dimension of Sides	Plus /Minus 1% with a Minimum of Plus/Minus 0.50.mm	
				YST310	-	-	0.06	0.06	46	32	8to10	-	-			
6.	Steel Structure Tubes	IS:1611/1998	BS:4360,JIS:G3444, ASTM A500GrA	YST210	-	-	0.06	0.06	34	21	910/TS	-	5T	-	Plus 0.03/Minus 0.13	Plus /Minus 1%
				YST240	-	-	0.06	0.06	42	24	980/TS	-	6T	Upto48.30		
				YST310	-	-	0.06	0.06	46	32	970/TS	-	8T			





OD VS THICKNESS

OD VS Thickness		Thickness (MM)																			
		1.40	1.50	1.60	1.80	1.90	2.00	2.20	2.40	2.60	2.80	3.00	3.25	3.50	4.00	4.25	4.50	4.75	5.00	5.50	6.00
Outer Diameter (MM)	19.05																				
	21.70																				
	22.20																				
	23.42																				
	25.40																				
	26.99																				
	28.60																				
	31.75																				
	33.7/34.00																				
	38.10																				
	40.00																				
	41.28																				
	42.40/42.70																				
	44.45																				
	48.30/48.60																				
	50.00																				
	50.80																				
	54.00																				
	57.15																				
	60.00/60.30																				
	63.50																				
	65.00																				
	69.85/70.00																				
	76.20																				
	81.20																				
	82.50																				
	88.90																				
	101.60																				



	Fin cut/Non Fin cut
	Only Non-Fin ut
	Out of Range



ERW SECTION TUBE SIZE VS THICKNESS

SIZE vs THICKNESS		Thickness (mm)																			
		1.40	1.50	1.60	1.80	1.90	2.00	2.20	2.40	2.60	2.80	3.00	3.25	3.50	4.00	4.25	4.50	4.75	5.00	5.50	6.00
Size (mm)	25*25																				
	30*30																				
	38*38																				
	40*40																				
	60*60																				
	50*50																				
	50*40																				
	50*25																				
	60*40																				
	60*30																				
	80*40																				
	80*80																				

	Fin cut/Non-Fin Cut
	Out of Range



NEWLY ADDED STRENGTHS

1

**BIS
Certifications**

2

**Tube Mill
Enhancement
to produce
80x80x6mm tubes**

3

**Complete
Lab
Setup**

**More Growth
Opportunities**

Step 01



**Building
Customer Trust**

Step 03



Money Saving

Step 05

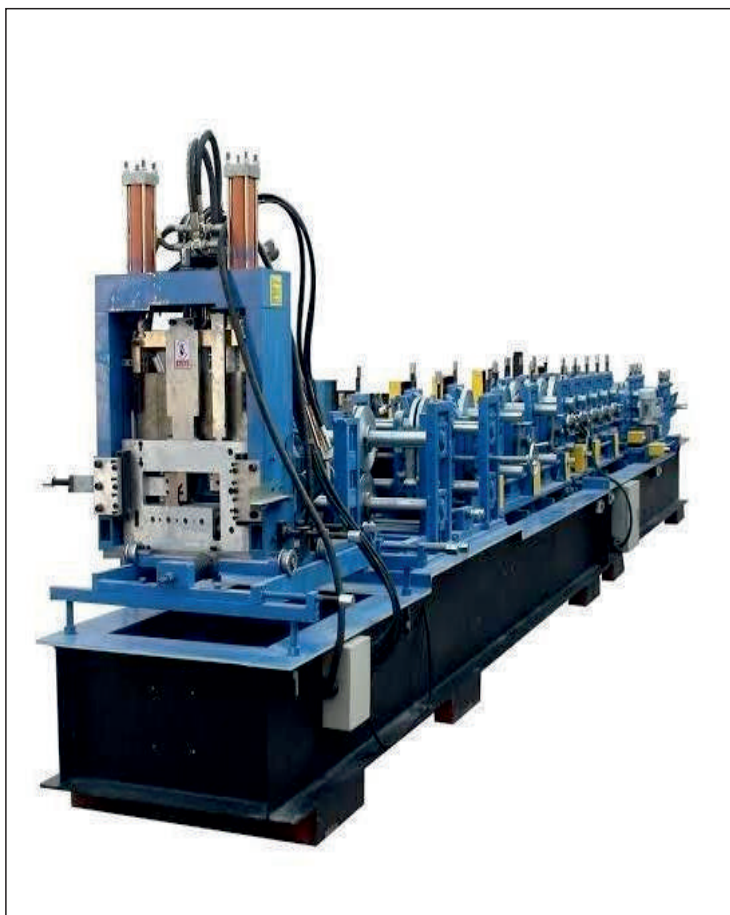


**Step 02
Promoting Quality
Products**



**Step 04
Time-Saving**





BIS CERTIFICATIONS

- Is 4923 For Hollow Section
- Is 1161 For Structural Round Tubes
- Is 3074 For Automotive Tubes
- Is 1239 For Round Tubes





LAB SETUP

- Spectrometer
From Metal Power
- UTM
- Tube Bending Machine

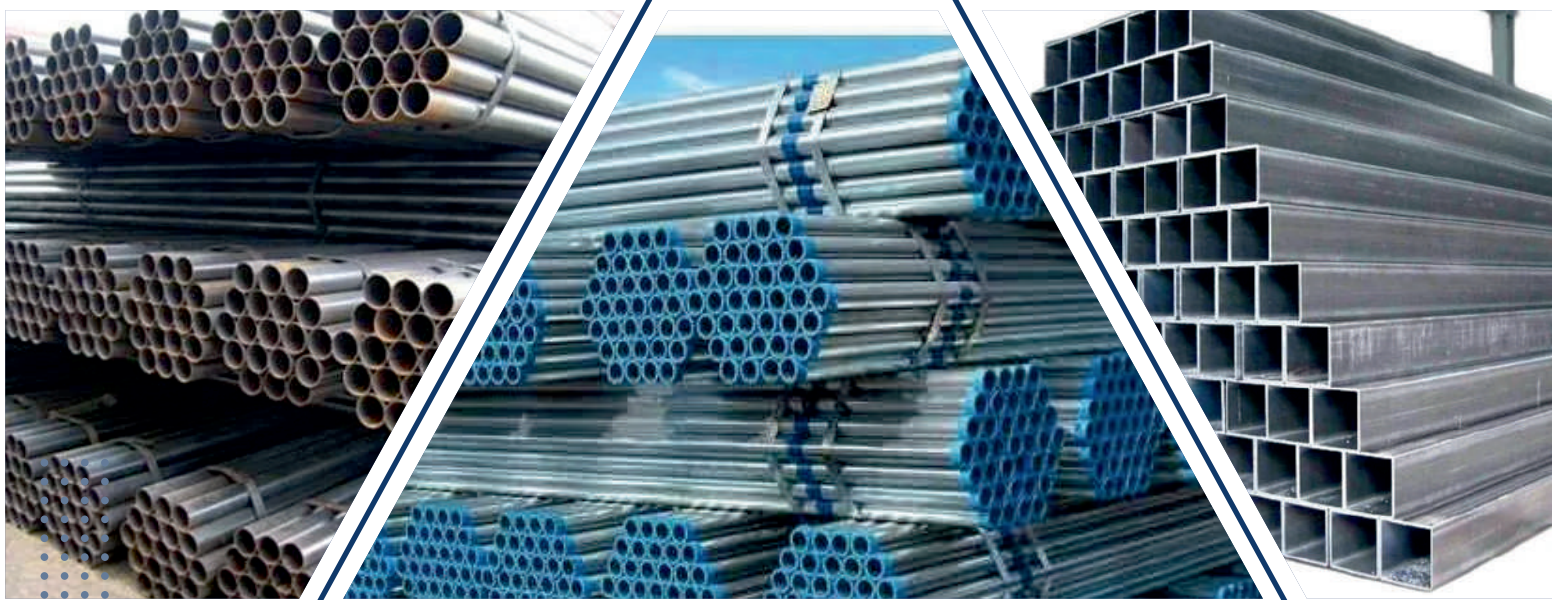




80X80X6 TUBES

Material Grade: YST 310

Enhanced our tube mill
to be able to produce
80x80x6mm tubes.





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