

ERW Steel Tubes for Idlers for Belt Conveyors as per IS:9295 - 1983

Dimensions & Nominal Masses

OD (MM)	Wall Thickness	Nominal Weight	
		Plain End	
	MM	KG/M	Mtr/Ton
63.5	3.65	5.39	186
	4.05	5.94	168
	4.50	6.55	153
	4.85	7.02	143
	5.40	7.74	129
	6.30	8.89	113
76.1	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
88.9	4.05	8.47	118
	4.50	9.37	107
	4.85	10.05	99
	5.40	11.12	90
	6.30	12.83	78
101.6	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
114.3	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
139.7	4.50	15.00	67
	4.85	16.13	62
	5.40	17.89	56
	6.30	20.73	48
152.4	4.50	16.41	61
	4.85	17.65	57
	5.40	19.58	51
	6.30	22.70	44
159.0	4.50	17.15	58
	4.85	18.44	54
	5.40	20.46	49
	6.30	23.72	42
165.1	4.50	17.82	56
	4.85	19.17	52
	5.40	21.27	47
	6.30	24.67	41

168.3	4.50	18.18	55
	4.85	19.55	51
	5.40	21.69	46
	6.30	25.17	40
193.7	5.40	25.08	40
	6.30	29.12	34
219.1	5.40	28.46	35
	6.30	33.06	30

Tolerances	
Outside Diameter	+ - 0.8%
Ovality below 168.30 mm	0.5 mm
Ovality 168.30 mm & Above	1.0 mm
Weight Kg/Mtr Single Tube	+ - 10%
Weight Kg/Mtr 10 M.Ton	+ 7.5% - 7.5%
Thickness	+ - 10%

Physical Properties			
Grade	Tensile Strength (Min) Mpa	Yield Stress (Min) Mpa	% Elongation (Min)
YST 210	330	210	20
YST 240	410	240	17