

ERW STEEL TUBES FOR WATER & SEWAGE PURPOSE

CONFORMING TO IS: 3589 : 2001

Grade Fe 330 and Fe 410/ EN 10224

NB (mm)	OUTSIDE DIAMETER (mm)	WALL THICKNESS (mm)	WEIGHT (PLAIN END)	MTR/TON
150	168.3	2.6	10.6	94
		3.2	13.0	77
		4.0	16.2	62
		4.5	18.2	55
175	193.7	2.6	12.3	81
		3.6	16.9	59
		4.5	21.0	48
		6.3	29.1	34
200	219.1	2.6	13.9	72
		3.6	19.1	52
		4.5	23.8	42
		6.3	33.1	30
250	273.0	3.6	23.9	42
		4.0	26.5	38
		5.0	33.0	30
		6.3	41.1	24
300	323.9	4.0	31.8	31
		4.5	35.4	28
		5.6	44.0	23
		7.1	55.5	18

TOLERANCES

OUTSIDE DIAMETER OF PIPE	± 0.75%
OVALITY	1% Max.
THICKNESS	± 10%
LENGTH	
Unless other specified, length are in Single Random Length of 4 to 7 Mtr.	
WEIGHT : Mass per Truck Load of 10 Tons or above	± 7.5%

PHYSICAL PROPERTIES

GRADE	Y.S. (MIN)	T.S. (MIN)	%Elongation (MIN)
Fe 330	195	330	20
Fe 410	235	410	18
Fe 450	275	450	15

Note:

These are preferred OD & Thickness. Other Sizes not included may be supplied as per Customer Specification.

JINDAL-HISSAR MANUFACTURES PIPE SIZE 150mm NB to 400mm NB, BOTH BLACK & GI.
BIS LICENCE NO. CM/L - 9402267



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Grade Fe 330 and Fe 410/ EN 10224

NB (mm)	OUTSIDE DIAMETER (mm)	WALL THICKNESS (mm)	WEIGHT (PLAIN END)	MTR/ TON
350	355.6	4.0	34.7	28.82
		5.0	43.2	23.15
		5.6	48.3	20.70
		8.0	68.6	14.58
400	406.4	4.0	39.7	25.19
		5.0	49.5	20.20
		6.3	62.2	16.08
		8.8	86.3	11.59

TOLERANCES	
OUTSIDE DIAMETER OF PIPE	± 0.75%
OVALITY	As Agreed
THICKNESS	± 10%
LENGTH	
Unless other specified, length are in Single Random Length of 4 to 7 Mtr.	Otherwise as agreed
WEIGHT : Mass per Truck Load of 10 Tons or above	± 7.5%

PHYSICAL PROPERTIES			
GRADE	YIELD STRENGTH (MIN) MPa	TENSILE STRENGTH (MIN) MPa	% ELONGATION (MIN)
Fe 330	195	330	20
Fe 410	235	410	18
Fe 450	275	450	15

ERW STEEL TUBES FOR WATER WELLS

CONFORMING TO IS: 4270 : 2001

PLAIN END CASING PIPES Grade Fe 410 and Fe 450

NB (mm)	OUTSIDE DIAMETER (mm)	WALL THICKNESS (mm)	WEIGHT (PLAIN END)	MTR/ TON
350	355.6	8.0	68.6	14.58
		10.0	85.22	11.73
		12.0	101.67	9.83
		14.0	117.93	8.48
400	406.4	8.0	78.6	12.72
		10.0	97.75	10.23
		12.0	116.71	8.56

TOLERANCES	
OUTSIDE DIAMETER OF PIPE	± 1.0%
OVALITY	As Agreed
THICKNESS – Upto OD 406.4	+15% -12.5%
LENGTH	
Unless other specified, length are in Single Random Length of 4 to 7M tr.	Otherwise as agreed
WEIGHT- Mass of Single Tube	+10%, -8%

PHYSICAL PROPERTIES			
GRADE	Yield Strength (min) MPa	Tensile Strength (min) MPa	% Elongation (min)
Fe 410	235	410	15
Fe 450	275	450	15

SPECIAL DIAMETER PIPES

OD (mm)	12.70	13.50	17.20	19.05	25.40	31.75	38.0	50.80	63.50	127.0
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ASTM - A53 Grade A & B

Dimensions, weights (masses) per unit length, and Test pressures for plain end pipe

DN Designator	Specified wall, thickness in (mm)	Nominal, weight (mass) per Unit length, Plain end, lb/(kg/m ²)	Weight Class	Schedule No.	Test Pressure PSI (kpa.)	
					Grade A	Grade B
350	5.33	46.04	...	...	540 (3700)	630 (4300)
	5.56	47.99	...	...	560 (3900)	660 (4500)
	6.35	54.69	...	10	640 (4400)	750 (5200)
	7.14	61.35	...	...	720 (5000)	840 (5800)
	7.92	67.90	...	20	800 (5500)	940 (6500)
	8.74	74.76	...	...	880 (6100)	1030 (7100)
	9.52	81.25	STD	30	960 (6600)	1120 (7700)
	11.13	94.55	...	40	1130 (7800)	1310 (9000)
	11.91	100.94	...	...	1210 (8300)	1410 (9700)
	12.70	107.39	XS	...	1290 (8900)	1500 (10 300)
400	5.56	54.96	...	...	490 (3400)	570 (3900)
	6.35	62.64	...	10	560 (3900)	660 (4500)
	7.14	70.30	...	...	630 (4300)	740 (5100)
	7.92	77.83	...	20	700 (4800)	820 (5700)
	8.74	85.71	...	...	770 (5300)	900 (6200)
	9.52	93.17	STD	30	840 (5800)	980 (6800)
	11.13	108.49	...	...	990 (6800)	1150 (7900)
	11.91	115.86	...	...	1060 (7300)	1230 (8500)
	12.70	123.30	XS	40	1120 (7700)	1310 (9000)

Tolerance - Pipe Size : DN : +/-1%

Thickness : -12.5% (max)

Weight : +/-10%