

**STANDARD JIS G 3444 : 1988 CARBON STEEL PIPES FOR GENERAL STRUCTURAL PURPOSE**

Outside Diameter	O.D.(Class 2) Tolerance	Thickness	THK(Class 2) Tolerance	Unit mass	Outside Diameter	O.D.(Class 2) Tolerance	Thickness	THK(Class 2) Tolerance	Unit mass
mm.	mm.	mm.	mm.	kg. / m.	mm.	mm.	mm.	mm.	kg. / m.
21.7	± 0.25	2.0	± 0.3	0.972	101.6	± 0.5	3.2	± 0.3	7.76
27.2	± 0.25	2.0	± 0.3	1.24			4.0	± 0.4	9.63
34.0	± 0.25	2.3	± 0.3	1.41	114.3	± 0.55	5.0	± 0.5	11.9
		2.3	± 0.3	1.80			3.2	± 0.3	8.77
42.7	± 0.25	2.3	± 0.3	2.29	114.3	± 0.55	3.6	± 0.3	9.83
		2.5	± 0.3	2.49			4.5	± 0.4	12.2
		2.8	± 0.3	2.76			5.6	± 0.5	15.0
48.6	± 0.25	2.3	± 0.3	2.63	139.8	± 0.65	3.6	± 0.3	12.1
		2.5	± 0.3	2.84			4.0	± 0.4	13.4
		2.8	± 0.3	3.16			4.5	± 0.4	15.0
		3.2	± 0.3	3.58			6.0	± 0.6	19.8
60.5	± 0.30	2.3	± 0.3	3.30	165.2	± 0.80	4.5	± 0.4	17.8
		3.2	± 0.3	4.52			5.0	± 0.5	19.8
		4.0	± 0.4	5.57			6.0	± 0.6	23.6
76.3	± 0.35	2.8	± 0.3	5.08	216.3	± 1.05	7.0	± 0.7	27.3
		3.2	± 0.3	5.77			4.5	± 0.4	23.5
		4.0	± 0.4	7.13			6.0	± 0.6	31.1
89.1	± 0.40	2.8	± 0.3	5.96	216.3	± 1.05	7.0	± 0.7	36.1
		3.2	± 0.3	6.78			8.0	± 0.8	41.1
		4.0	± 0.4	8.39					

Chemical Composition						Mechanical Properties		
Designation of grade	C % max.	Si % max.	Mn % max.	P % max.	S % max.	Tensile N/mm <sup>2</sup> min.	Yield N/mm <sup>2</sup> min.	Elongation N/mm <sup>2</sup> min.
STK 290	-	-	-	0.040	0.040	290	-	30
STK 400	0.25	-	-	0.040	0.040	400	235	23
STK 500	0.3	0.35	0.30-1.00	0.040	0.040	500	355	15
STK 490	0.18	0.55	1.5	0.040	0.040	490	315	23

**DIMENSIONS TOLERANCES :**

Permissible Variation	
Length :	± 40 mm. - 0mm.
Weight :	± 10 % per piece