

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
		2.3	± 0.3	1.41			5.0	± 0.5	11.9
34.0	± 0.25	2.3	± 0.3	1.80	114.3	± 0.55	3.2	± 0.3	8.77
		2.3	± 0.3	2.29			3.6	± 0.3	9.83
42.7	± 0.25	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			7.0	± 0.7	36.1
		3.2	± 0.3	6.78			8.0	± 0.8	41.1
		4.0	± 0.4	8.39					

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Chemical Composition						Mechanical Properties		
Designation of grade	C % max.	Si % max.	Mn % max.	P % max.	S % max.	Tensile N/mm ² min.	Yield N/mm ² min.	Elongation N/mm ² 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