

Carbon Steel Pipes for Pressure Service

CNS 4626 3111 (EQUIVALENT TO JIS G3454 STPG 370 / STPG 410)

DESIGNATOR		O.D.	SPEC.											
			Sch10		Sch20		Sch30		Sch40		Sch60		Sch80	
			THICKNESS	WEIGHT	THICKNESS	WEIGHT	THICKNESS	WEIGHT	THICKNESS	WEIGHT	THICKNESS	WEIGHT	THICKNESS	WEIGHT
A	B	mm	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m
15	1/2	21.7	—	—	—	—	—	—	2.8	1.31	3.2	1.46	3.7	1.64
20	3/4	27.2	—	—	—	—	—	—	2.9	1.74	3.4	2.00	3.9	2.24
25	1	34.0	—	—	—	—	—	—	3.4	2.57	3.9	2.89	4.5	3.27
32	1_1/4	42.7	—	—	—	—	—	—	3.6	3.47	4.5	4.24	4.9	4.57
40	1_1/2	48.6	—	—	—	—	—	—	3.7	4.10	4.5	4.89	5.1	5.47
50	2	60.5	—	—	3.2	4.52	—	—	3.9	5.44	4.9	6.72	5.5	7.46
65	2_1/2	76.3	—	—	4.5	7.97	—	—	5.2	9.12	6.0	10.4	7.0	12.0
80	3	89.1	—	—	4.5	9.39	—	—	5.5	11.3	6.6	13.4	7.6	15.3
90	3_1/2	101.6	—	—	4.5	10.8	—	—	5.7	13.5	7.0	16.3	8.1	18.7
100	4	114.3	—	—	4.9	13.2	—	—	6.0	16.0	7.1	18.8	8.6	22.4
125	5	139.8	—	—	5.1	16.9	—	—	6.6	21.7	8.1	26.3	9.5	30.5
150	6	165.2	—	—	5.5	21.7	—	—	7.1	27.7	9.3	35.8	11.0	41.8
200	8	216.3	—	—	6.4	33.1	7.0	36.1	8.2	42.1	10.3	52.3	12.7	63.8
250	10	267.4	—	—	6.4	41.2	7.8	49.9	9.3	59.2	12.7	79.8	15.1	93.9
300	12	318.5	—	—	6.4	49.3	8.4	64.2	10.3	78.3	14.3	107	17.4	129
350	14	355.6	6.4	55.1	7.9	67.7	9.5	81.1	11.1	94.3	15.1	127	19.0	158
400	16	406.4	6.4	63.1	7.9	77.6	9.5	93.0	12.7	123	16.7	160	21.4	203
450	18	457.2	6.4	71.1	7.9	87.5	11.1	122	14.3	156	19.0	205	23.8	254
500	20	508.0	6.4	79.2	9.5	117	12.7	155	15.1	184	20.6	248	26.2	311
550	22	558.8	6.4	87.2	9.5	129	12.7	171	15.9	213	—	—	—	—
600	24	609.6	6.4	95.2	9.5	141	14.3	210	—	—	—	—	—	—
650	26	660.4	7.9	127	12.7	203	—	—	—	—	—	—	—	—

*** TOLERANCE ON O.D.**

25A(OR UNDER)±0.3mm , 32A ~ 300A ±0.8% , 350A(OR OVER)±0.5% ◦

*** TOLERANCE ON THICKNESS:**

UNDER 3mm ±0.3mm , 3mm(OR OVER) ±10%

Carbon Steel Pipes for Ordinary Piping

CNS 6445 G3127 (EQUIVALENT TO JIS G3452 SGP)

		O.D. (mm)	TOLERANCE ON O.D.		THICKNESS (mm)	UNIT WEIGHT EXCLUSIVE COUPLING (kg/m)
			THREADED	OTHERS		
15	1/2	21.7	±0.5mm	±0.5mm	2.8	1.31
20	3/4	27.2	±0.5mm	±0.5mm	2.8	1.68
25	1	34.0	±0.5mm	±0.5mm	3.2	2.43
32	1_1/4	42.7	±0.5mm	±0.5mm	3.5	3.38
40	1_1/2	48.6	±0.5mm	±0.5mm	3.5	3.89
50	2	60.5	±0.5mm	±1%	3.8	5.31
65	2_1/2	76.3	±0.7mm	±1%	4.2	7.47
80	3	89.1	±0.8mm	±1%	4.2	8.79
90	3_1/2	101.6	±0.8mm	±1%	4.2	10.1
100	4	114.3	±0.8mm	±1%	4.5	12.2
125	5	139.8	±0.8mm	±1%	4.5	15.0
150	6	165.2	±0.8mm	±1.6mm	5.0	19.8
200	8	216.3	±1.0mm	±0.8%	5.8	30.1
250	10	267.4	±1.3mm	±0.8%	6.6	42.4
300	12	318.5	±1.5mm	±0.8%	6.9	53.0
350	14	355.6	±0.5%	±0.8%	7.9	67.7
400	16	406.4	±0.5%	±0.8%	7.9	77.6
450	18	457.2	±0.5%	±0.8%	7.9	87.5
500	20	508.0	±0.5%	±0.8%	7.9	97.4

*** HYDROSTATIC TEST: ITS STRENGTH TO WITHSTAND THE PRESSURE 26kg/cm² WITHOUT LEAKAGE AND OTHER DEFECTS.)**

*** TOLERANCE ON THICKNESS: + (NOT SPECIFIED) / - 12.5%**