



## STEEL PIPE : ท่อกลม (JIS G 3444)

Nominal Dimention (ขนาด)	Outside Diameter (เส้นรอบวงนอก)	Thickness (ความหนา)	Calculate weight (น้ำหนัก)
DN	D	T	W
in.	mm.	mm.	kg./m.
1/2" (15)	21.7	2.0	0.97
3/4" (20)	27.2	2.0	1.24
		2.3	1.41
1" (25)	34.0	2.3	1.8
1 1/4" (32)	42.7	2.3	2.29
		2.5	2.48
1 1/2" (40)	48.6	2.3	2.63
		2.5	2.84
		2.8	3.16
		3.2	3.58
2" (50)	60.5	2.3	3.3
		3.2	4.52
		4.0	5.57
2 1/2" (65)	76.3	2.8	5.08
		3.2	5.77
		4.0	7.13
3" (80)	89.1	2.8	5.96
		3.2	6.78

Nominal Dimention (ขนาด)	Outside Diameter (เส้นรอบวงนอก)	Thickness (ความหนา)	Calculate weight (น้ำหนัก)
DN	D	T	W
in.	mm.	mm.	kg./m.
3 1/2" (90)	101.6	3.2	7.76
		4.0	9.63
		5.0	11.9
4" (100)	114.3	3.2	8.77
		3.5	9.58
		4.5	12.2
5" (125)	139.8	3.6	12.1
		4.0	13.4
		4.5	15.0
		6.0	19.8
6" (150)	165.2	4.5	17.8
		5.0	19.8
		6.0	23.6
		7.1	27.7
8" (200)	216.3	4.5	23.5
		5.3	30.1
		6.0	31.1
		7.0	36.1

### Dimension Tolerances for JIS G 3444 Carbon Steel Round Pipes

Outside Diameter	≤ 50mm : ± 0.5mm
	> 50mm : ± 1%
Thickness	≤ 3.00mm = ± 0.30 mm
	> 3.00mm = ± 10% mm
Weight	± 10% mm

### JIS G 3466 Carbon Steel Pipe for General Structural Purposes

Material of Grade	Chemical Composition (%)					Mechanical Properties		
	C Max	Si Max	Mn Max	P Max	S Max	Yield Strength N/mm <sup>2</sup>	Tensile Strength N/mm <sup>2</sup>	Elongation %
STKR 400	0.25	-	-	0.04	0.04	235	400	23
STKR 490	0.18	0.55	1.5	0.04	0.04	315	490	23