

Galvanize Steel Pipe

Material of Grade	Chemical Composition (%)					Mechanical Properties				Zinc Coated
	C	Si	Mn	P	S	Yield Strength	Tensile Strength	Elongation		
	Max	Max	Max	Max	Max	N/mm ²	N/mm ²	1-2	2-3	
STKR290	-	-	-	0.050	0.050	-	290	21	22	Z08-Z12
STKR400	0.250	-	-	0.040	0.040	245	400	14	26	Z08-Z12

Nominal Size	Outside Diameter	Thickness	Weight
In	mm	mm	kg/m
1" x 1"	25 x 25	1.60	1.12
		2.00	1.36
		2.30	1.53
		3.20	1.98
1-1/2" x 1-1/2"	38 x 38	1.60	1.78
		1.90	2.08
		2.30	2.47
2" x 2"	50 x 50	1.60	2.38
		1.90	2.80
		2.30	3.34
3" x 3"	75 x 75	3.20	4.50
		1.60	3.64
		2.30	5.14
		3.20	7.01

Nominal Size	Outside Diameter	Thickness	Weight
In	mm	mm	kg/m
2" x 1"	50 x 25	1.60	1.75
		2.30	2.44
		3.20	3.24
3" x 1-1/2"	75 x 38	1.60	2.71
		1.90	3.18
		2.30	3.81
		3.20	5.15
4" x 1-1/2"	100 x 38	1.60	3.33
		2.30	4.71
		3.20	6.40
4" x 2"	100 x 50	1.60	3.64
		2.30	5.14
		3.20	7.01

Dimension Tolerances

Outside Diameter ; ± 1.5 mm.
 Thickness ; ± 0.3 mm.
 Weight ; N/A



มอก.107-2561

Carbon Steel Pipe

Material of Grade	Chemical Composition (%)					Mechanical Properties				Color Code
	C	Si	Mn	P	S	Yield Strength	Tensile Strength	Elongation		
	Max	Max	Max	Max	Max	N/mm ²	N/mm ²	1-2	2-3	
STKR290	-	-	-	0.050	0.050	-	290	21	22	-
STKR400	0.250	-	-	0.040	0.040	245	400	14	26	-

Nominal Size	Outside Diameter	Thickness	Weight
In	mm	mm	kg/m
1" x 1"	25 x 25	2.30 3.20	1.53 1.98
1-1/4" x 1-1/4"	32 x 32	2.30	2.04
1-1/2" x 1-1/2"	38 x 38	2.30 3.20	2.47 3.29
2" x 2"	50 x 50	1.60 2.30 3.20	2.38 3.34 4.50
2-1/2" x 2-1/2"	60 x 60	1.60 2.30 3.20	2.88 4.06 5.50
3" x 3"	75 x 75	1.60 2.30 3.20	3.64 5.14 7.01

Nominal Size	Outside Diameter	Thickness	Weight
In	mm	mm	kg/m
2" x 1"	50 x 25	2.30 3.20	2.44 3.24
2-1/2" x 1-1/4"	60 x 30	1.60 2.30 3.20	2.13 2.98 3.99
3" x 3/4"	75 x 20	1.60 2.30	2.25 3.16
3" x 1-1/2"	75 x 38	2.30 3.20	3.81 5.15
4" x 1-1/2"	100 x 38	1.60 2.30	3.33 4.71
4" x 2"	100 x 50	3.20 1.60 2.30	6.40 3.64 5.14

Dimension Tolerances

Outside Diameter ; ± 1.5 mm.
Thickness ; ± 0.3 mm.
Weight ; N/A



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Carbon Steel Pipe

Material of Grade	Chemical Composition (%)					Mechanical Properties				Color Code
	C	Si	Mn	P	S	Yield Strength	Tensile Strength	Elongation		
	Max	Max	Max	Max	Max	N/mm ²	N/mm ²	1-2	3-4	
STK290	-	-	-	0.050	0.050	-	290	21	14	-
STK400	0.250	-	-	0.040	0.040	235	400	22	16	-

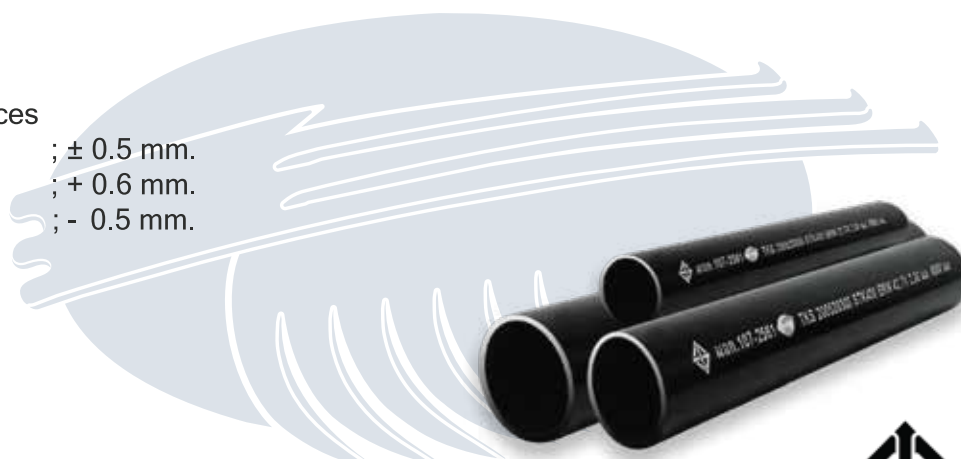
Nominal Size		Outside Diameter	Thickness	Weight	Cross Sectional Area	Geometrical Moment of Inertia	Modulus of Section	Radius of Gyration
In	mm	mm	mm	kg/m	cm ²	cm ⁴	cm ³	cm
1/2"	15	21.7	2.00	0.97	1.238	0.607	0.560	0.700
1-1/4"	32	42.7	2.30	2.29	2.919	5.97	2.80	1.43
			2.50	2.48	3.157	6.40	3.00	1.42

Dimension Tolerances

Outside Diameter ; ± 0.5 mm.

Thickness ; + 0.6 mm.

Weight ; - 0.5 mm.



มอก.107-2561