



JIS G3466 (1988) : CARBON STEEL SQUARE PIPE FOR GENERAL STRUCTURAL PURPOSES

Side Length A x B	Wall Thickness	Unit Mass	Side Length A x B	Wall Thickness	Unit Mass	
	STD			STD		
mm.	mm.	kg. / m.	mm.	mm.	kg. / m.	
40 x 40	1.60	1.88	100 x 100	2.30	6.95	
	2.30	2.62		3.20	9.52	
	1.60	2.38		4.00	11.70	
50 x 50	2.30	3.34		4.50	13.10	
	3.20	4.50		6.00	17.00	
	1.60	2.88		9.00	24.10	
60 x 60	2.30	4.06		12.00	30.20	
	3.20	5.50		125 x 125	3.20	12.00
	1.60	3.64			4.50	16.60
75 x 75	2.30	5.14			5.00	18.30
	3.20	7.01			6.00	21.70
	4.50	9.55			9.00	31.10
80 x 80	2.30	5.50	12.00		39.70	
	3.20	7.51	150 x 150		4.50	20.10
	4.50	10.30			5.00	22.30
90 x 90	2.30	6.23			6.00	26.40
	3.20	8.51			9.00	38.20

JIS G3466 (1988) : CARBON STEEL RECTANGULAR PIPE FOR GENERAL STRUCTURAL PURPOSES

Side Length A x B	Wall Thickness	Unit Mass	Side Length A x B	Wall Thickness	Unit Mass
	STD			STD	
mm.	mm.	kg. / m.	mm.	mm.	kg. / m.
50 x 20	1.60	1.63	100 x 20	1.60	2.88
	2.30	2.25		2.30	4.06
50 x 30	1.60	1.88	100 x 40	1.60	3.38
	2.30	2.62		2.30	4.78
60 x 30	1.60	2.13		4.20	8.32
	2.30	2.98		100 x 50	1.60
3.20	3.99	2.30	5.14		
75 x 20	1.60	2.25	3.20		7.01
	2.30	3.16	4.50	9.55	
	1.60	2.88	125 x 40	1.60	4.01
2.30	4.06	2.30		5.69	
75 x 45	3.20	5.50	125 x 75	2.30	6.95
	1.60	2.88		3.20	9.52
	2.30	4.06		4.00	11.70
80 x 40	3.20	5.50	150 x 75	4.50	13.10
	2.30	4.60		6.00	17.00
	3.20	6.25		3.20	10.80
90 x 45	2.30	4.60	150 x 80	4.50	15.20
	3.20	6.25		5.00	16.80
	2.30	4.60		6.00	19.80

TECHNICAL SPECIFICATION :

Chemical Composition						Mechanical Properties (min.)				
Symbol of class	C % max.	Si % max.	Mn % max.	P % max.	S % max.	Tensile Strength		Yile Strength		Elongation %
						N/mm. ²	kgf/mm. ²	N/mm. ²	kgf/mm. ²	
STKR41	0.25	-	-	0.040	0.040	-	41	-	25	23
STKR50	0.18	0.55	1.50	0.040	0.040	-	50	-	33	23
STKR400	0.25	-	-	0.040	0.040	400	-	245	-	23
STKR490	0.18	0.55	1.50	0.040	0.040	490	-	325	-	23

DIMENSIONS TOLERANCES :

Permissible Variation	
Side Length :	100 mm. or under : ± 50 mm., over 100 mm. 1.50 %
Wall Thickness :	under 3.00 mm. : ± 0.30 mm., 3.00 mm. or over : 10 %
Lenght :	+ not specified, - 0 mm.
Weight :	± 10 %
Angularity :	± 1.5 °

