



ISO 9001:2008

Cert.No.11727

Cert.No.47014

**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	
50 x 50	1.60	2.38		4.00	11.70	
	2.30	3.34		4.50	13.10	
	3.20	4.50		6.00	17.00	
60 x 60	1.60	2.88		9.00	24.10	
	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	
2.30	5.14	5.00			18.30	
75 x 75	3.20	7.01			6.00	21.70
	4.50	9.55			9.00	31.10
	2.30	5.50	12.00		39.70	
80 x 80	3.20	7.51	150 x 150	4.50	20.10	
	4.50	10.30		5.00	22.30	
	2.30	6.23		6.00	26.40	
90 x 90	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	
75 x 45	1.60	2.88	125 x 40	1.60	4.01
	2.30	4.06		2.30	5.69
	3.20	5.50	125 x 75	2.30	6.95
80 x 40	1.60	2.88		3.20	9.52
	2.30	4.06		4.00	11.70
90 x 45	3.20	5.50		4.50	13.10
	2.30	4.60		6.00	17.00
	3.20	6.25		150 x 75	3.20
150 x 80			4.50		15.20
			5.00		16.80
			6.00	19.80	

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**TECHNICAL SPECIFICATION :**

Chemical Composition						Mechanical Properties (min.)				
Symbol of class	C % max.	Si % max.	Mn % max.	P % max.	S % max.	Tensile Strength		Yield Strength		Elongation %
						N/mm. <sup>2</sup>	kgf/mm. <sup>2</sup>	N/mm. <sup>2</sup>	kgf/mm. <sup>2</sup>	
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 : $\pm 50$ mm., over 100 mm. 1.50 %	
Wall Thickness	:	under 3.00 mm. : $\pm 0.30$ mm., 3.00 mm. or over : 10 %	
Length	:	+ not specified, - 0 mm.	
Weight	:	$\pm 10$ %	
Angularity	:	$\pm 1.5^\circ$	