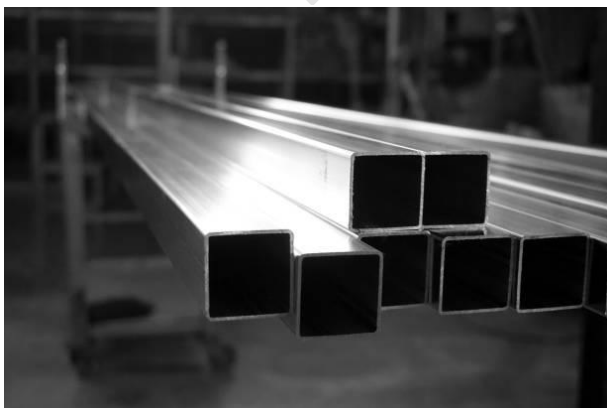
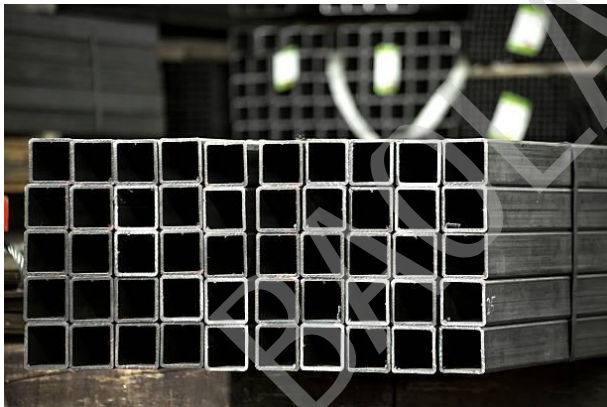


# Hollow Steel Pipe

When quality and a variety of sizing options are a must, Baolai Steel is your best resource for square and rectangular steel tubing. We aim to meet the needs of clients in every industry by offering square steel tubing in structural and mechanical grades. Our broad selection includes tubes in sizes from 3/8" x 3/8" up to 20" x 20" .

Structural grade steel tubing can be used for a broad range of static applications. Just as the descriptor "structural" implies, square steel tubing can be used in structures ranging from small and simple (signposts and trailer beds) to large and complex (supports for skyscrapers and bridges). At Baolai Steel, we offer square and rectangular steel tubing for all types of structural applications.



## ASTM A500 Cold Formed Hollow Section Steel Pipes



<b>Certification</b>	ISO 19001
<b>Standard</b>	ASTM A500
<b>Grade</b>	Gr.A/ Gr.B/ Gr.C/Gr.D
<b>Out Diameter (mm)</b>	10*10-600*600, 10*20-800*1000
<b>Wall Thickness (mm)</b>	0.6-30
<b>Length (m)</b>	6M/ 12M or Customized
<b>Ends</b>	Plain
<b>Usage</b>	Steel Structure, Construction
<b>Surface</b>	Bare/ Black/ Varnish/ Oiled/ Galvanized, etc

## ASTM A500 Hollow Section Steel Pipes Size

Size	Wall Thickness	Size	Thickness
(mm)	(mm)	(mm)	(mm)
10×10	0.6-1.0	20×10	0.6-1.0
12×12	0.6-1.0	25×12	0.6-1.0
16×16	0.6-1.2	38×19	0.6-1.5
19×19	0.6-1.5	50×25	0.6-1.5
20×20	0.6-1.5	50×30	1.0-3.0
25×25	1.0-2.75	60×40	1.5-3.5
30×30	1.0-2.75	75×50	1.5-4.0
32×32	1.0-3.0	80×40	1.5-4.0
38×38	1.0-3.0	100×50	2.0-6.0
40×40	1.0-3.5	100×60	2.0-6.0
50×50	1.0-5.0	100×75	2.0-6.0
60×60	1.0-6.0	120×60	3.0-6.0
63.5×63.5	1.0-6.0	120×80	3.0-6.0
70×70	1.5-6.0	125×50	3.0-6.0
75×75	1.5-6.0	125×75	3.0-6.0
80×80	2.0-6.0	150×50	3.0-6.0
90×90	2.0-6.0	150×75	3.0-6.0
100×100	2.3-6.0	150×100	4.0-12
120×120	4.0-6.0	160×80	4.0-6.0
125×125	4.0-6.0	175×100	4.0-12

150×150	4.0-8.0	200×100	4.0-12
200×200	6.0-12	200×150	4.0-12
250×250	6.0-12	250×150	5.0-12
300×300	6.0-12	300×200	5.0-12
400×400	6.0-12	400×200	5.0-12

## Chemical composition (%)

ELEMENT	COMPOSITION			
	Grade A, B and D		Grade C	
	Heat Analysis	Product Analysis	Heat Analysis	Product Analysis
Carbon, Max	0.26	0.3	0.23	0.27
Manganese, Max	1.35	1.4	1.35	1.4
Phosphorus	0.035	0.045	0.035	0.045
Sulfur, Max	0.035	0.045	0.035	0.045
Copper, Min	0.02	0.18	0.2	0.18

## Mechanical properties

	Tensile Strength, min, psi [Mpa]	Yield Strength, min, psi [Mpa]	Elongation in 2 in. [50mm], min, %
Grade A	45 000 [310]	39 000 [270]	25A
Grade B	58 000 [400]	46 000 [315]	23B
Grade C	62 000 [425]	50 000 [345]	21C
Grade D	58 000 [400]	36 000 [250]	23B

## EN 10219 Hollow Section Steel Pipes



<b>Certification</b>	ISO 19001
<b>Standard</b>	EN 10219
<b>Grade</b>	S235JRH/ S275JOH/ S275J2H/ S355JOH/ S355J2H
<b>Out Diameter (mm)</b>	20*20-400*400, 20*40-300*400
<b>Wall Thickness (mm)</b>	2.0-16
<b>Length (m)</b>	6M/ 12M or Customized
<b>Ends</b>	Plain
<b>Usage</b>	Steel Structure, Construction
<b>Surface</b>	Bare/ Black/ Varnish/ Oiled/ Galvanized, etc

## EN 10219 Hollow Section Steel Pipes Size

Square Size	Thickness	Rectangular Size	Thickness
MM	MM	MM	MM
20×20	2.0	40×20	2.0-3.0
25×25	2.0-3.0	50×30	2.0-4.0
30×30	2.0-3.0	60×40	2.0-5.0
40×40	2.0-4.0	70×50	2.0-5.0
50×50	2.0-5.0	80×40	2.0-5.0
60×60	2.0-6.3	80×60	2.0-5.0
70×70	2.5-6.3	90×50	2.0-5.0
80×80	3.0-8.0	100×40	2.5-5.0
90×90	3.0-8.0	100×50	2.5-6.3
100×100	3.0-12.5	100×60	2.5-6.3
		100×80	2.5-6.3
120×120	3.0-12.5	120×60	2.5-8.0
		120×80	3.0-8.0
140×140	4.0-12.5	140×80	4.0-8.0
150×150	4.0-16.0	150×100	4.0-12.5
160×160	4.0-16.0	160×80	4.0-12.5
180×180	4.0-16.0	180×100	4.0-12.5
200×200	4.0-16.0	200×100	4.0-12.5
220×220	5.0-16.0	200×120	4.0-12.5

250×250	5.0-16.0	250×150	5.0-16.0
260×260	6.0-16.0	260×180	5.0-16.0
300×300	6.0-16.0	300×100	6.0-16.0
		300×150	6.0-16.0
350×350	8.0-16.0	300×200	6.0-16.0
		350×250	6.0-16.0
400×400	10.0-16.0	400×200	8.0-16.0
		400×300	8.0-16.0

BAOLAI Steel

## JIS G3466 Hollow Section Steel Pipes



<b>Certification</b>	ISO 19001
<b>Standard</b>	JIS G3466
<b>Grade</b>	STKR 400/ STKR 490
<b>Out Diameter (mm)</b>	40*40-350*350, 20*50-200*400
<b>Wall Thickness (mm)</b>	1.6-12
<b>Length (m)</b>	6M/ 12M or Customized
<b>Ends</b>	Plain
<b>Usage</b>	Steel Structure, Construction
<b>Surface</b>	Bare/ Black/ Varnish/ Oiled/ Galvanized, etc

## JIS G3466 Hollow Section Steel Pipes Size

Length of side AxB MM	Thickness MM	Length of side AxB MM	Thickness MM	
<b>Square</b> 40x40	1.6	250x250	6	
	2.3		8	
			9	
			12	
50x50	1.6	300x300	4.5	
	2.3		6	
	3.2		9	
60x60	1.6	350x350	12	
	2.3		9	
	3.2		12	
75x75	1.6	<b>Rectangular</b>		
	2.3			
	3.2			
80x80	4.5		50x20	1.6
	2.3			2.3
	3.2			
90x90	2.3	50x30	1.6	
	3.2	60x30	1.6	

100x100	2.3	75x20	2.3
	3.2		3.2
	4		1.6
	4.5		2.3
	6		1.6
	9		2.3
	12		3.2
125x125	3.2	80x40	1.6
	4.5		2.3
	5		3.2
	6	90x45	2.3
	9		3.2
	12		1.6
150x150	4.5	100x20	2.3
	5	100x40	1.6
	6	100x50	1.6
	9	125x40	2.3
175x175	4.5	150x75	3.2
	5	150x80	5
	6	150x100	3.2
200x200	4.5	200x100	9
	6	250x150	6
	9		12
	12	400x200	6

## Chemical composition (%)

Material	C	Si	Mn	P	S
STKR 400	≤0.25	-	-	≤0.040	≤0.040
STKR 490	≤0.18	≤0.55	≤1.50	≤0.040	≤0.040

## Mechanical properties

Material	Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation (%)
STKR 400	≥400	≥245	≥23
STKR 490	≥490	≥325	≥23