

BAOLAI STEEL



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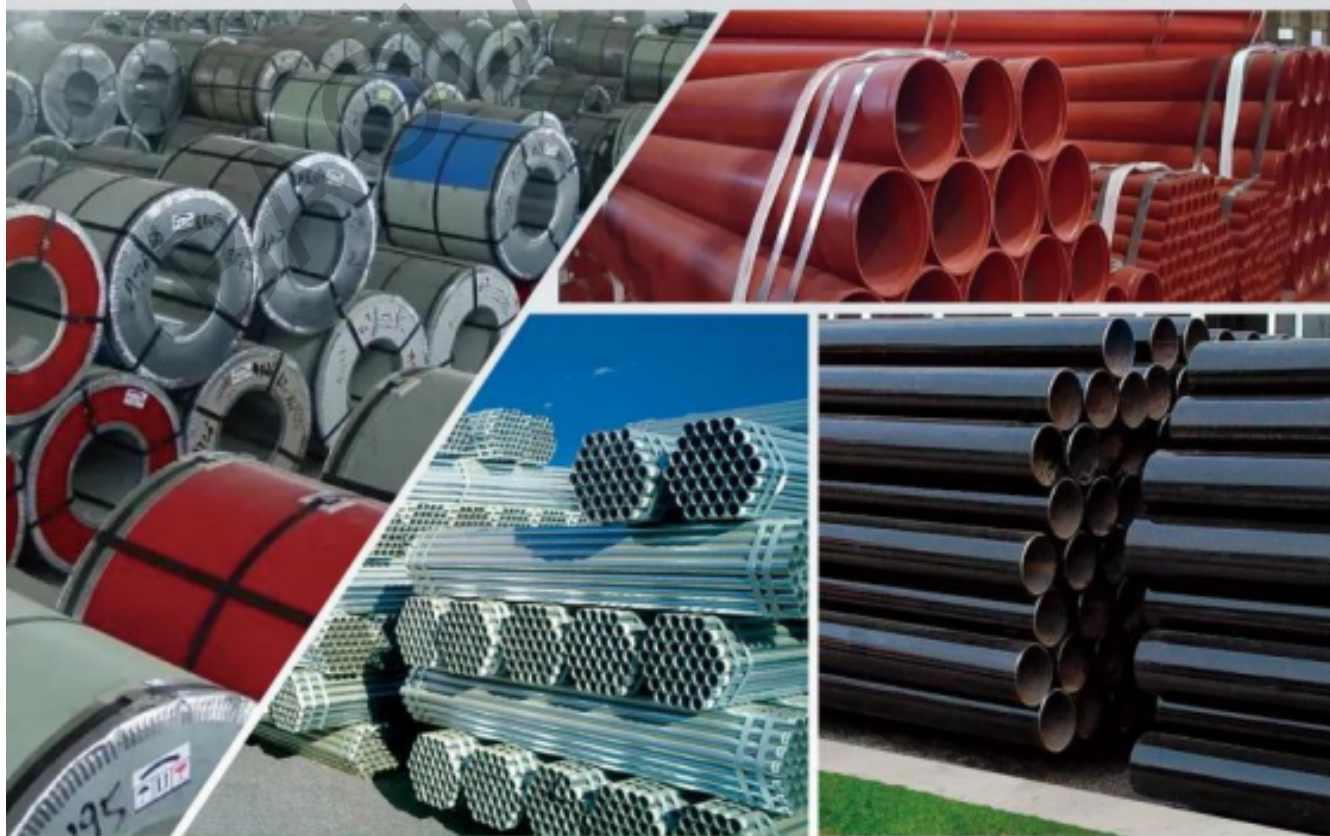


## COMPANY PROFILE

Tianjin Baolai Steel Group Co., Ltd is a comprehensive company, which focus on steel pipes and other steel products. Established in 1991, Baolai is among the first few specialized companies that develop and manufacture ordinary and special diameter steel pipes. We manufacture API, ASTM, BS, DIN and JIS standards pipes with galvanizing facility. Our annual capacity is approximately 2,300,000MT in various specifications and export 150,000MT to all over the world.

We have been awarded "Top Ten Collective and Private Exporters of Tianjin" by Tianjin Commerce Department, "Top Ten Exporters of Hexi District" by Tianjin Hexi Commerce Department, "Top 100 Enterprises of Tianjin" and "Top 300 International Trade companies of Tianjin" by Tianjin government, and a credit rating "AAA" by banks.

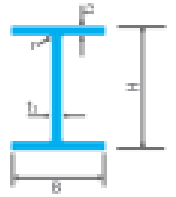
Apart from being the supplier of a comprehensive range of our products, Baolai aims to extend its commitment to customers by enhancing its services and adding new facilities. A dedicated team is tasked to provide technical support so as to advise the proper usage of steel and assist customers in using the products to its best advantage.



# 01.美标H型钢 H Section ASTM

尺寸和截面特性 Dimensions and Sectional Properties

( 1 ) ASTM A6-2014

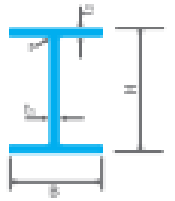


型号 Designation	重量 Unit Weight (lbs/ft)	理论重量 Unit Weight (kg/m)	截面尺寸 Standard Sectional Dimension (mm)					截面面积 Sectional Area (cm <sup>2</sup> )
	W	M	H	B	t <sub>1</sub>	t <sub>2</sub>	r	A
W18 x 7½	55	82	460	191	9.9	16.0	10.2	104.5
	60	89	463	192	10.5	17.7	10.2	113.8
	65	97	466	193	11.4	19.1	10.2	123.3
	66	98	467	193	11.4	19.6	10.2	125.3
	71	106	469	194	12.6	20.6	10.2	134.7
W18 x 11	76	113	463	280	10.8	17.3	10.2	144.1
	86	128	467	282	12.2	19.6	10.2	163.5
	97	144	472	283	13.6	22.1	10.2	184.2
	106	158	476	284	15.0	23.9	10.2	201.1
	119	177	482	286	16.6	26.9	10.2	225.9
	130	193	489	283	17.0	30.5	10.2	246.6
	143	213	496	285	18.5	33.5	10.2	271.0
	158	235	501	287	20.6	36.6	10.2	299.1
	175	260	509	289	22.6	40.4	10.2	331.1
	192	286	517	291	24.4	44.4	10.2	363.8
	211	315	525	293	26.9	48.5	10.2	400.7
	234	349	535	296	29.5	53.6	10.2	444.3
	258	384	545	299	32.5	58.4	10.2	489.3
283	421	555	302	35.6	63.5	10.2	536.8	
311	464	567	305	38.6	69.6	10.2	590.4	
W21 x 6½	44	66	525	165	8.9	11.4	12.7	83.71
	50	74	529	166	9.7	13.6	12.7	95.19
	57	85	535	166	10.3	16.5	12.7	108.0
W21 x 8½	48	72	524	207	8.9	10.9	12.7	91.09
	55	82	528	209	9.6	13.2	12.7	104.7
	62	92	533	209	10.2	15.6	12.7	117.9
	68	101	537	210	10.9	17.4	12.7	129.2
	73	109	539	211	11.6	18.8	12.7	138.8
	83	123	544	212	13.1	21.2	12.7	157.1
	93	138	549	214	14.7	23.6	12.7	176.1
W21 x 12½	101	150	543	312	12.7	20.3	12.7	191.9
	111	165	546	313	14.0	22.2	12.7	210.8
	122	182	551	315	15.2	24.4	12.7	231.2

# 01.美标H型钢 H Section ASTM

尺寸和截面特性 Dimensions and Sectional Properties

(1) ASTM A6-2014



型号 Designation	重量 Unit Weight (lbs/ft)	理论重量 Unit Weight (kg/m)	截面尺寸 Standard Sectional Dimension (mm)					截面面积 Sectional Area (cm <sup>2</sup> )
	W	M	H	B	t <sub>1</sub>	t <sub>2</sub>	r	A
W21 x 12½	132	196	554	316	16.5	26.3	12.7	250.4
	147	219	560	318	18.3	29.2	12.7	278.8
	166	248	571	315	19.1	34.5	12.7	315.0
	182	272	577	317	21.1	37.6	12.7	346.0
	201	300	585	319	23.1	41.4	12.7	381.9
	*223	332	593	322	25.4	45.5	12.7	421.8
	*248	369	603	325	28.3	50.5	12.7	471.2
	*275	409	613	327	31.0	55.6	12.7	521.0
	*300	446	623	330	33.5	60.5	12.7	568.8
*333	496	635	333	37.1	66.5	12.7	631.2	
W24 x 7	55	82	599	178	10.0	12.8	12.7	104.2
	62	92	603	179	10.9	15.0	12.7	117.5
W24 x 9	68	101	603	228	10.5	14.9	12.7	129.4
	76	113	608	228	11.2	17.3	12.7	144.6
	84	125	612	229	11.9	19.6	12.7	159.4
	94	140	617	230	13.1	22.2	12.7	178.7
	103	153	623	229	14.0	24.9	12.7	195.5
W24 x 12½	104	156	611	324	12.7	19.1	16.5	198.8
	117	174	616	325	14.0	21.6	16.5	223.0
	131	196	622	327	15.4	24.4	16.5	249.9
	146	217	628	328	16.5	27.7	16.5	278.4
	162	241	635	329	17.9	31.0	16.5	308.9
	176	262	641	327	19.1	34.0	16.5	334.4
	192	286	647	329	20.6	37.1	16.5	364.4
	207	307	653	330	22.1	39.9	16.5	392.8
	229	341	661	333	24.4	43.9	16.5	434.5
	250	372	669	335	26.4	48.0	16.5	475.1
	279	415	679	338	29.5	53.1	16.5	530.2
	306	456	689	340	32.0	57.9	16.5	580.1
	335	498	699	343	35.1	63.0	16.5	636.2
370	551	711	347	38.6	69.1	16.5	702.9	

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尺寸和截面特性 Dimensions and Sectional Properties

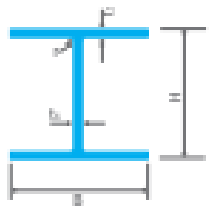
(1) ASTM A6-2014



型号 Designation	重量 Unit Weight (lbs/ft)	理论重量 Unit Weight (kg/m)	截面尺寸 Standard Sectional Dimension (mm)					截面面积 Sectional Area (cm <sup>2</sup> )
	W	M	H	B	t <sub>1</sub>	t <sub>2</sub>	r	A
W27 x 10	84	125	678	253	11.7	16.3	15.2	160.0
	94	140	684	254	12.4	18.9	15.2	178.0
	102	152	688	254	13.1	21.1	15.2	194.0
	114	170	693	256	14.5	23.6	15.2	216.4
	129	192	702	254	15.5	27.9	15.2	244.0
W27*14	146	217	695	355	15.4	24.8	15	277
	161	240	701	356	16.8	27.4	15	306
	178	265	706	358	18.4	30.2	15	337
W30 x 10%	90	134	750	264	11.94	15.49	28.0	174.4
	99	147	753	265	13.21	17.02	28.0	192.1
	108	161	758	266	13.84	19.30	28.0	209.0
	116	173	762	267	14.35	21.59	28.0	225.0
	124	185	766	267	14.86	23.62	28.0	239.8
	132	196	770	268	15.62	25.40	28.0	255.1
	148	220	779	266	16.51	29.97	28.0	285.0
W30*15	173	257	773	381	16.6	27.1	17	328
	191	284	779	382	18	30.1	17	362
W33 x 11%	118	176	835	292	13.97	18.80	30.0	228.7
	130	193	840	292	14.73	21.72	30.0	252.2
	141	210	846	293	15.37	24.38	30.0	273.1
	152	226	851	294	16.13	26.80	30.0	293.8
	169	251	859	292	17.02	30.99	30.0	324.4
W36 x 12	135	201	903	304	15.24	20.07	30.0	261.1
	150	223	911	304	15.88	23.88	30.0	290.0
	160	238	915	305	16.51	25.91	30.0	308.1
	170	253	919	306	17.27	27.94	30.0	327.5
	182	271	923	307	18.42	29.97	30.0	350.5
	194	289	927	308	19.43	32.00	30.0	372.3
	210	313	932	309	21.08	34.54	30.0	403.3
	232	345	943	308	22.10	39.88	30.0	444.0

# 01. 美标H型钢 ( HP )

## H Section H Pile



尺寸和截面特性 Dimensions and Sectional Properties

( 1 ) ASTM A36-14

型号 Division (depth x width)	理论重量 Unit Weight (kg/m)	截面尺寸 Standard Sectional Dimension (mm)					截面面积 Sectional Area (cm <sup>2</sup> )
		W	H	B	t <sub>1</sub>	t <sub>2</sub>	
HP8 x 8	53.5	203.7	207.1	11.3	11.3	10.2	68.16
HP10 x 10	62.6	246.4	255.9	10.5	10.7	12.7	79.77
	85.3	253.7	259.7	14.4	14.4	12.7	108.6
HP12 x 12	78.3	299.2	305.9	11.0	11.0	15.2	99.77
	93.4	303.3	308.0	13.1	13.1	15.2	119.0
	111	308.1	310.3	15.4	15.5	15.2	140.8
	125	311.9	312.3	17.4	17.4	15.2	158.9
HP14 x 14%	108	345.7	370.5	12.8	12.8	15.2	137.8
	132	351.3	373.3	15.6	15.6	15.2	168.4
	152	355.9	375.5	17.9	17.9	15.2	193.7
	174	360.9	378.1	20.4	20.4	15.2	221.5

# 01. 国标工字钢

## I-Beam

尺寸和截面特性 Dimensions and Sectional Properties

(1) GB/T706-2016

规格 Specifications	型号 Designation	理论重量 Unit Weight (kg/m)	规格 Specifications	型号 Designation	理论重量 Unit Weight (kg/m)
		KG			KG
10#	100*68*4.5	11.3	32#B	320*132*11.5	57.7
12#	120*74*5.0	14	32#C	320*134*13.5	62.7
14#	140*80*5.5	16.9	36#A	360*136*10	60
16#	160*88*6.0	20.5	36#B	360*138*12	65.7
18#	180*94*6.5	24.1	36#C	360*140*14	71.3
20#A	200*100*7	27.9	40#A	400*142*10.5	67.6
20#B	200*102*9	31.1	40#B	400*144*12.5	73.8
22#A	220*110*7.5	33.1	40#C	400*146*14.5	80.1
22#B	220*112*9.5	36.5	45#A	450*150*11.5	80.4
24#A	240*116*8	37.5	45#B	450*152*13.5	87.4
24#B	240*118*10	41.2	45#C	450*154*15.5	94.5
25#A	250*116*8	38.1	50#A	500*158*12	93.6
25#B	250*118*10	42	50#B	500*160*14	101
27#A	270*122*8.5	42.8	50#C	500*162*16	109
27#B	270*124*10.5	47	56#A	560*166*12.5	106
28#A	280*122*8.5	43.5	56#B	560*168*14.5	115
28#B	280*124*10.5	47.9	56#C	560*170*16.5	124
30#A	300*126*9	48.1	63#A	630*176*13	121
30#B	300*128*11	52.8	63#B	630*178*15	131
30#C	300*130*13	57.5	63#C	630*180*17	141
32#A	320*130*9.5	52.7			

## STEEL BARN BUILDINGS

Barns are staples for farms and ranches. While they are traditionally made from lumber, building your barn out of steel can be more beneficial, because it will last much longer. They can also be easily expanded later on as your farm grows.

BARN BUILDING SYSTEMS



## BETTER POLE BARN

A steel barn is a much better option than a pole barn. It is anchored in concrete, whereas a pole barn is anchored in soil. The metal barn can be up to 300 feet wide without columns; if you want columns, they can be up to 30 feet apart. A pole barn can only be 120 feet wide without columns, and the perimeter poles need to be 96 inches apart.

## METAL BARNOMINIUMS

Barnominiums have become popular in recent years because they allow the owners to make a more unique home. The buildings are designed to be part home and part barn, hence the name. This was made popular by ranchers who wanted to have their livestock closer to them, so they would not have to venture out in bad weather to check on them.



## HORSE STABLES

You can make your horse stables out of metal instead of wood, which will give your horses a more protected and comfortable living space. The flexibility of steel buildings will also allow you to expand your building easily if you decide to get more horses later on.

STABLE BUILDING SYSTEMS



## OUTBUILDINGS AND SHOPS

You can add buildings for storing your equipment, hay, and whatever else you need, in steel, and it has more flexibility in the design than other styles of sheds and outbuildings.

WORKSHOP BUILDINGS



BAOLAI STEEL