



GB/T1591 Q345B H/I Beam/ channel steel

GB/T1591 Q345B H/I Beam/ channel steel is steel with less than 0.2 percent of its composition made up of carbon, less than 0.55 percent of its composition made of silicon and several impurities (mostly sulfur, chromium and nickel). GB/T1591 Q345B H/I Beam/ channel steel is a Chinese standardized low alloy, medium tensile strength steel made with a hot-rolling process, and GB/T1591 Q345B H/I Beam/ channel steel is used for a number of manufacturing purposes

The Chemical Composition (%) and Mechanical Properties of GB/T1591 Q345B H/I Beam/ channel steel:

GB/T1591 Q345B H/I Beam/ channel steel Chemical Composition (%)								GB/T1591 Q345B H/I Beam/ channel steel Mechanical Properties		
NO	C	Si	Mn	P	S	Cr	Ni	Cu	Tensile Strength (MPa)	Yield Strength (MPa)
1	0.17	0.26	1.27	0.023	0.004	0.029	0.011	0.005	490	345

GB/T1591 Q345B H/I Beam/ channel steel size katalor supplied

H BEAM THEORY WEIGHT SCALE			
SIZE (MM)	(kg/m)	SIZE (MM)	(kg/m)
H*B*t1*t2		H*B*t1*t2	
100*50*5*7	9.54	344*348*10*16	115
100*100*6*8	17.2	350*350*12*19	137
125*60*6*8	13.3	388*402*15*15	141
125*125*6.5*9	23.8	390*300*10*16	107
148*100*6*9	21.4	394*398*11*18	147
150*75*5*7	14.3	400*150*8*13	55.8
150*150*7*10	31.9	396*199*7*11	56.7
175*90*5*8	18.2	400*200*8*13	66
175*175*7.5*11	40.3	400*400*13*21	172
194*150*6*9	31.2	400*408*21*21	197
198*99*4.5*7	18.5	414*405*18*28	233
200*100*5.5*8	21.7	428*407*20*35	284
200*200*8*12	50.5	458*417*30*50	415
200*204*12*12	72.28	440*300*11*18	124
244*175*7*11	44.1	446*199*8*12	66.7

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244*252*11*11	64.4	450*200*9-14	76.5
248*124*5*8	25.8	482*300*11*15	115
250*125*6*9	29.7	488*300*11*18	129
250*250*9*14	72.4	496*199*9*14	79.5
250*255*14*14	82.2	498*432*45*70	605
294*200*8*12	57.3	500*200*10*16	89.6
294*302*12*12	85	582*300*12*17	137
298*149*5.5*8	32.6	588*300*12*20	151
300*150*6.5*9	37.3	596*199*10*15	95.1
300*300*10*15	94.5	600*200*11*17	106
300*305*15*15	106	700*300*13*24	185
338*351*13*13	106	792*300*14*22	191
340*250*9*14	79.7	800*300*14*26	210
344*354*16*16	131	890*299*15*23	213
346*174*6*9	41.8	900*300*16*28	243
350*175*7*11	50	912*302*18*34	286

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I BEAM THEORY WEIGHT SCALE		
STYLE NO	hxbxd (mm)	(kg/m)
10	100×68×4.5	11.261
12	120×74×5.0	13.987
12.6	126×74×5	14.223
14	140×80×5.5	16.89
16	160×88×6	20.513
18	180×94×6.5	24.143
20a	200×100×7	27.929
20b	200×102×9	31.069
22a	220×110×7.5	33.07
22b	220×112×9.5	36.524
24a	240×116×8	37.477
24b	240×118×10	41.245
25a	250×116×8	38.105
25b	250×118×10	42.03
27a	270×122×8.5	42.825
27b	270×124×10.5	47.064
28a	280×122×8.5	43.492
28b	280×124×10.5	47.888
30a	300×126×9	48.084
30b	300×128×11	52.794

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30c	300×130×13	57.504
32a	320×130×9.5	52.717
32b	320×132×11.5	57.741
32c	320×134×13.5	62.765
36a	360×136×10	60.037
36b	360×138×12	65.689
36c	360×140×14	71.341
40a	400×142×10.5	67.598
40b	400×144×12.5	73.878
40c	400×146×14.5	80.158
45a	450×150×11.5	80.42
45b	450×152×13.5	87.485
45c	450×154×15.5	94.55
50a	500×158×12	93.654
50b	500×160×14	101.504
50c	500×162×16	109.354
55a	550×166×12.5	105.335
55b	550×168×14.5	113.97
55c	550×170×16.5	122.605
56a	560×166×12.5	106.316
56b	560×168×14.5	115.108
56c	560×170×16.5	123.9
63a	630×176×13	121.407
63b	630×178×15	131.298
63c	630×180×17	141.189

Katalor has specialized in supplying GB/T1591 Q345B H/I Beam/ channel steel. We have 17 years experience in the exportation of GB/T1591 Q345B H/I Beam/ channel steel. katalor will also supply other things of GB/T1591 Q345B H/I Beam/ channel steel if you needed. Welcome to contact us!

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specialized in manufacturing and exporting steel and casting product. Based on the domestic rich product resources and professional research on international market, Katalor's service has already spread many countries in Europe, America, Southeast Asia, Middle East, South America, Africa, and so on.

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