

Steel King Industries Inc.®

I-Beam Cantilever Capacity Chart: Column Type / Capacity (lbs)

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
Tower Height:	Arm Length:							
<b>144"</b>	<b>18"</b>	<b>22,640</b>	<b>27,410</b>	<b>30,530</b>	<b>43,950</b>	<b>68,480</b>	<b>81,780</b>	<b>85,580</b>
	24"	18,370	22,280	24,750	36,230	59,550	71,230	72,070
	<b>30"</b>	<b>15,440</b>	<b>18,740</b>	<b>20,790</b>	<b>30,800</b>	<b>52,380</b>	<b>61,480</b>	<b>62,230</b>
	36"	13,290	16,160	17,910	26,770	46,400	54,060	54,740
	<b>42"</b>	<b>11,660</b>	<b>14,190</b>	<b>15,710</b>	<b>23,660</b>	<b>41,300</b>	<b>48,240</b>	<b>48,850</b>
	48"	10,370	12,630	13,980	21,190	37,150	43,530	44,090
	<b>54"</b>	<b>9,320</b>	<b>11,370</b>	<b>12,580</b>	<b>19,170</b>	<b>33,750</b>	<b>39,650</b>	<b>40,170</b>
	60"	8,460	10,320	11,420	17,500	30,910	36,400	36,880
	<b>66"</b>	<b>7,730</b>	<b>9,440</b>	<b>10,450</b>	<b>16,080</b>	<b>28,500</b>	<b>33,630</b>	<b>34,080</b>
	72"	7,100	8,690	9,620	14,870	26,440	31,250	31,670
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>168"</b>	<b>18"</b>	<b>22,600</b>	<b>27,370</b>	<b>30,470</b>	<b>43,950</b>	<b>68,520</b>	<b>81,760</b>	<b>85,580</b>
	24"	18,340	22,240	24,700	36,230	59,580	71,230	72,070
	<b>30"</b>	<b>15,410</b>	<b>18,710</b>	<b>20,750</b>	<b>30,800</b>	<b>52,400</b>	<b>61,480</b>	<b>62,230</b>
	36"	13,270	16,130	17,870	26,770	46,160	54,060	54,740
	<b>42"</b>	<b>11,640</b>	<b>14,160</b>	<b>15,680</b>	<b>23,660</b>	<b>41,020</b>	<b>48,240</b>	<b>48,850</b>
	48"	10,350	12,610	13,950	21,190	36,890	43,530	44,090
	<b>54"</b>	<b>9,310</b>	<b>11,350</b>	<b>12,560</b>	<b>19,170</b>	<b>33,510</b>	<b>39,650</b>	<b>40,170</b>
	60"	8,440	10,300	11,400	17,500	30,690	36,400	36,880
	<b>66"</b>	<b>7,710</b>	<b>9,430</b>	<b>10,430</b>	<b>16,080</b>	<b>28,290</b>	<b>33,630</b>	<b>34,080</b>
	72"	7,090	8,680	9,600	14,870	26,230	31,250	31,670

See Important Notes for Capacity on Page 5!

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Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
Tower Height:	Arm Length:							
<b>192"</b>	<b>18"</b>	<b>20,140</b>	<b>24,390</b>	<b>27,170</b>	<b>43,400</b>	<b>65,830</b>	<b>81,740</b>	<b>85,580</b>
	24"	16,340	19,820	22,020	35,770	54,910	71,230	72,070
	<b>30"</b>	<b>13,730</b>	<b>16,670</b>	<b>18,490</b>	<b>30,400</b>	<b>47,080</b>	<b>61,480</b>	<b>62,230</b>
	36"	11,820	14,370	15,920	26,420	41,190	54,060	54,740
	<b>42"</b>	<b>10,360</b>	<b>12,610</b>	<b>13,960</b>	<b>23,340</b>	<b>36,590</b>	<b>48,240</b>	<b>48,850</b>
	48"	9,210	11,220	12,420	20,900	32,910	43,530	44,090
	<b>54"</b>	<b>8,270</b>	<b>10,090</b>	<b>11,170</b>	<b>18,900</b>	<b>29,890</b>	<b>39,650</b>	<b>40,170</b>
	60"	7,500	9,160	10,140	17,240	27,360	36,400	36,880
	<b>66"</b>	<b>6,850</b>	<b>8,370</b>	<b>9,270</b>	<b>15,840</b>	<b>25,220</b>	<b>33,630</b>	<b>34,080</b>
72"	6,290	7,700	8,530	14,640	23,380	31,250	31,670	
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>216"</b>	<b>18"</b>	<b>17,640</b>	<b>21,370</b>	<b>23,800</b>	<b>38,030</b>	<b>57,840</b>	<b>78,280</b>	<b>85,580</b>
	24"	14,310	17,350	19,280	31,330	48,240	65,880	72,070
	<b>30"</b>	<b>12,010</b>	<b>14,590</b>	<b>16,190</b>	<b>26,630</b>	<b>41,360</b>	<b>56,850</b>	<b>62,230</b>
	36"	10,340	12,570	13,930	23,130	36,180	49,990	54,740
	<b>42"</b>	<b>9,050</b>	<b>11,030</b>	<b>12,210</b>	<b>20,430</b>	<b>32,140</b>	<b>44,590</b>	<b>48,850</b>
	48"	8,040	9,810	10,860	18,290	28,900	40,230	44,090
	<b>54"</b>	<b>7,220</b>	<b>8,820</b>	<b>9,760</b>	<b>16,540</b>	<b>26,240</b>	<b>36,640</b>	<b>40,170</b>
	60"	6,540	8,000	8,850	15,080	24,020	33,630	36,880
	<b>66"</b>	<b>5,960</b>	<b>7,300</b>	<b>8,090</b>	<b>13,850</b>	<b>22,130</b>	<b>31,060</b>	<b>34,080</b>
72"	5,470	6,710	7,440	12,790	20,510	28,850	31,670	

See Important Notes for Capacity on Page 5!



## Steel King Industries Inc.®

**I-Beam Cantilever Capacity Chart: Column Type / Capacity (lbs)**

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
Tower Height:	Arm Length:							
<b>240"</b>	<b>18"</b>	<b>16,070</b>	<b>19,470</b>	<b>21,690</b>	<b>34,670</b>	<b>52,800</b>	<b>71,460</b>	<b>80,680</b>
	24"	13,020	15,800	17,560	28,560	44,020	60,130	67,930
	<b>30"</b>	<b>10,920</b>	<b>13,270</b>	<b>14,730</b>	<b>24,250</b>	<b>37,720</b>	<b>51,880</b>	<b>58,630</b>
	36"	9,380	11,420	12,660	21,060	32,980	45,600	51,560
	<b>42"</b>	<b>8,200</b>	<b>10,000</b>	<b>11,080</b>	<b>18,590</b>	<b>29,290</b>	<b>40,660</b>	<b>45,990</b>
	48"	7,270	8,880	9,840	16,620	26,320	36,670	41,500
	<b>54"</b>	<b>6,510</b>	<b>7,970</b>	<b>8,830</b>	<b>15,010</b>	<b>23,880</b>	<b>33,380</b>	<b>37,790</b>
	60"	5,880	7,210	7,990	13,680	21,840	30,620	64,670
	<b>66"</b>	<b>5,350</b>	<b>6,570</b>	<b>7,290</b>	<b>12,540</b>	<b>20,120</b>	<b>28,270</b>	<b>32,020</b>
72"	4,890	6,020	6,680	11,570	18,630	26,240	29,730	
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>264"</b>	<b>18"</b>		<b>17,840</b>	<b>19,880</b>	<b>31,780</b>	<b>48,440</b>	<b>65,570</b>	<b>74,030</b>
	24"		14,470	16,090	26,170	40,380	55,170	62,320
	<b>30"</b>		<b>12,150</b>	<b>13,490</b>	<b>22,220</b>	<b>34,600</b>	<b>47,590</b>	<b>53,790</b>
	36"		10,450	11,590	19,290	30,250	41,830	47,300
	<b>42"</b>		<b>9,150</b>	<b>10,140</b>	<b>17,020</b>	<b>26,860</b>	<b>37,300</b>	<b>42,190</b>
	48"		8,120	9,000	15,220	24,130	33,630	38,060
	<b>54"</b>		<b>7,280</b>	<b>8,070</b>	<b>13,740</b>	<b>21,890</b>	<b>30,610</b>	<b>34,650</b>
	60"		6,580	7,300	12,510	20,020	28,070	31,790
	<b>66"</b>		<b>5,990</b>	<b>6,650</b>	<b>11,470</b>	<b>18,430</b>	<b>25,910</b>	<b>29,350</b>
72"		5,490	6,090	10,580	17,060	24,050	27,250	

**See Important Notes for Capacity on Page 5!**

## Steel King Industries Inc.®

**I-Beam Cantilever Capacity Chart: Column Type / Capacity (lbs)**

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
Tower Height:	Arm Length:							
<b>288"</b>	<b>18"</b>		<b>16,470</b>	<b>18,350</b>	<b>29,340</b>	<b>44,760</b>	<b>60,590</b>	<b>68,410</b>
	24"		13,360	14,850	24,160	37,310	50,970	57,890
	<b>30"</b>		<b>11,210</b>	<b>12,440</b>	<b>20,510</b>	<b>31,970</b>	<b>43,970</b>	<b>49,700</b>
	36"		9,630	10,690	17,800	27,940	38,640	43,700
	<b>42"</b>		<b>8,430</b>	<b>9,350</b>	<b>15,700</b>	<b>24,800</b>	<b>34,450</b>	<b>38,970</b>
	48"		7,470	8,290	14,030	22,280	31,060	35,150
	<b>54"</b>		<b>6,700</b>	<b>6,830</b>	<b>12,670</b>	<b>20,210</b>	<b>28,270</b>	<b>3,200</b>
	60"		6,050	6,720	11,530	18,480	25,920	29,360
	<b>66"</b>		<b>5,510</b>	<b>6,110</b>	<b>10,570</b>	<b>17,010</b>	<b>23,920</b>	<b>27,100</b>
72"		5,040	5,600	9,740	15,740	22,200	25,160	
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>312"</b>	<b>18"</b>		<b>15,310</b>	<b>17,050</b>	<b>26,940</b>	<b>41,670</b>	<b>55,770</b>	<b>62,970</b>
	24"		12,400	13,790	22,170	34,720	46,910	53,000
	<b>30"</b>		<b>10,390</b>	<b>11,540</b>	<b>18,800</b>	<b>29,740</b>	<b>40,450</b>	<b>45,730</b>
	36"		8,920	9,900	16,300	25,980	35,530	40,190
	<b>42"</b>		<b>7,790</b>	<b>8,640</b>	<b>14,370</b>	<b>23,040</b>	<b>31,660</b>	<b>35,830</b>
	48"		6,890	7,650	12,820	20,690	28,530	32,300
	<b>54"</b>		<b>6,160</b>	<b>6,840</b>	<b>11,560</b>	<b>18,750</b>	<b>25,950</b>	<b>29,390</b>
	60"		5,550	6,170	10,510	17,130	23,780	26,940
	<b>66"</b>		<b>5,030</b>	<b>5,600</b>	<b>9,610</b>	<b>15,750</b>	<b>21,930</b>	<b>24,860</b>
72"		4,590	5,110	8,840	14,560	20,340	23,060	

**See Important Notes for Capacity on Page 5!**

## Steel King Industries Inc.®

**I-Beam Cantilever Capacity Chart: Column Type / Capacity (lbs)**

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
Tower Height:	Arm Length:							
<b>336"</b>	<b>18"</b>		<b>14,230</b>	<b>15,860</b>	<b>25,080</b>	<b>38,790</b>	<b>51,920</b>	<b>58,630</b>
	24"		11,520	12,810	20,630	32,320	43,660	49,340
	<b>30"</b>		<b>9,650</b>	<b>10,720</b>	<b>17,490</b>	<b>27,670</b>	<b>37,650</b>	<b>42,560</b>
	36"		8,280	9,190	15,160	24,170	33,070	37,400
	<b>42"</b>		<b>7,220</b>	<b>8,020</b>	<b>13,360</b>	<b>21,440</b>	<b>29,460</b>	<b>33,340</b>
	48"		6,390	7,090	11,920	19,240	26,550	30,050
	<b>54"</b>		<b>5,700</b>	<b>6,340</b>	<b>10,740</b>	<b>17,430</b>	<b>24,140</b>	<b>27,340</b>
	60"		5,130	5,710	9,750	15,920	22,120	25,060
	<b>66"</b>		<b>4,650</b>	<b>5,180</b>	<b>8,920</b>	<b>14,630</b>	<b>20,390</b>	<b>23,120</b>
72"		4,240	4,720	8,200	13,520	18,900	21,440	
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>360"</b>	<b>18"</b>		<b>13,290</b>	<b>14,810</b>	<b>23,450</b>	<b>36,280</b>	<b>48,600</b>	<b>54,870</b>
	24"		10,760	11,970	19,290	30,220	40,860	46,170
	<b>30"</b>		<b>9,010</b>	<b>10,010</b>	<b>16,350</b>	<b>25,870</b>	<b>35,230</b>	<b>39,830</b>
	36"		7,720	8,580	14,170	22,600	30,940	35,000
	<b>42"</b>		<b>6,730</b>	<b>7,480</b>	<b>12,480</b>	<b>20,030</b>	<b>27,560</b>	<b>31,190</b>
	48"		5,950	6,610	11,130	17,980	24,830	28,110
	<b>54"</b>		<b>5,310</b>	<b>5,900</b>	<b>10,020</b>	<b>16,280</b>	<b>22,570</b>	<b>25,570</b>
	60"		4,770	5,310	9,100	14,870	20,680	23,440
	<b>66"</b>		<b>4,320</b>	<b>4,810</b>	<b>8,320</b>	<b>13,660</b>	<b>19,060</b>	<b>21,610</b>
72"		3,930	4,380	7,640	12,620	17,670	20,040	

**Capacity Charts Important Notes:**

**A) Top Arm Location:** The top arm for I-Beam cantilever rack can be no closer to the top column than the depth of the column. For W8 columns, the top arm needs to be at least 8" below the top of the column. For W12 columns, the top arm needs to be at least 12" below the top of the column. This is so the top arm has the necessary capacity

**B) Verticle Arm Spacing:** I-beam = 4" increments

**C) Height-to-depth ratio:** Height-to-depth ratio shall not exceed 6 to 1, but this does include the depth of the column for single-sided applications.

**Steel King Industries®**  
**I-Beam Cantilever Capacity Chart Arms**

Length	S3X5.7	S4X7.7	S4X7.7
	used with any tower (W8 to W16)	used with W8 tower only	used with W10 or larger tower
18"	5,470	8,000	9,360
24"	4,090	5,990	7,020
30"	3,270	4,790	5,610
36"	2,720	3,980	4,670
42"	2,330	3,410	3,990
48"	2,030	2,970	3,490
54"	1,800	2,640	3,090
60"	1,590	2,370	2,780
66"	1,460	2,150	2,520
72"	1,240	1,960	2,300

Length	S5X10	S5X10	W6X12	W6X12
	used with W8 tower only	used with W10 or larger tower	used with W8 tower only	used with W10 or larger tower
18"	10,800	13,260	12,400	20,970
24"	7,550	9,930	9,290	15,720
30"	6,030	7,940	7,430	12,560
36"	5,020	6,610	6,180	10,460
42"	4,300	5,660	5,290	8,960
48"	3,750	4,940	4,620	7,830
54"	3,330	4,380	4,090	6,950
60"	2,980	3,940	3,670	6,240
66"	2,710	3,570	3,330	5,670
72"	2,470	3,270	3,040	5,180

All arms ship with (4) 3/4" X 2" bolts.

