

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

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>144"</b>	<b>18"</b>	<b>24,130</b>	<b>28,140</b>	<b>28,450</b>	<b>38,450</b>	<b>48,660</b>	<b>55,810</b>	<b>56,540</b>
	24"	19,580	22,880	23,070	31,690	40,580	46,960	47,600
	<b>30"</b>	<b>16,460</b>	<b>19,260</b>	<b>19,380</b>	<b>29,940</b>	<b>34,790</b>	<b>40,530</b>	<b>41,090</b>
	36"	14,180	16,620	16,700	23,240	30,440	35,630	36,140
	<b>42"</b>	<b>12,430</b>	<b>14,600</b>	<b>14,660</b>	<b>20,700</b>	<b>27,040</b>	<b>31,780</b>	<b>32,240</b>
	48"	11,060	13,010	13,050	18,530	24,320	29,670	29,090
	<b>54"</b>	<b>9,950</b>	<b>11,720</b>	<b>11,750</b>	<b>16,770</b>	<b>22,080</b>	<b>26,110</b>	<b>26,500</b>
	60"	9,020	10,660	10,680	15,300	20,220	23,960	24,320
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>168"</b>	<b>18"</b>	<b>20,380</b>	<b>24,680</b>	<b>27,480</b>	<b>38,450</b>	<b>48,660</b>	<b>55,810</b>	<b>56,540</b>
	24"	16,530	20,050	22,270	31,690	40,580	46,960	47,600
	<b>30"</b>	<b>13,890</b>	<b>16,870</b>	<b>18,700</b>	<b>26,940</b>	<b>34,790</b>	<b>40,530</b>	<b>41,090</b>
	36"	11,960	14,540	16,100	23,420	30,440	35,630	36,140
	<b>42"</b>	<b>10,480</b>	<b>12,760</b>	<b>14,120</b>	<b>20,700</b>	<b>27,040</b>	<b>31,780</b>	<b>32,240</b>
	48"	9,310	11,350	12,560	18,530	24,320	28,670	29,090
	<b>54"</b>	<b>8,370</b>	<b>10,210</b>	<b>11,300</b>	<b>16,770</b>	<b>22,080</b>	<b>26,110</b>	<b>26,500</b>
	60"	7,590	9,270	10,250	15,300	20,220	23,960	24,320
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>192"</b>	<b>18"</b>	<b>18,100</b>	<b>21,920</b>	<b>24,410</b>	<b>38,450</b>	<b>48,660</b>	<b>55,810</b>	<b>56,540</b>
	24"	14,680	17,800	19,780	31,690	40,580	46,960	47,600
	<b>30"</b>	<b>12,320</b>	<b>14,970</b>	<b>16,600</b>	<b>26,940</b>	<b>34,790</b>	<b>40,530</b>	<b>41,090</b>
	36"	10,600	12,900	14,290	23,420	30,440	35,630	36,140
	<b>42"</b>	<b>9,290</b>	<b>11,310</b>	<b>12,530</b>	<b>20,700</b>	<b>27,040</b>	<b>31,780</b>	<b>32,240</b>
	48"	8,250	10,060	11,140	18,530	24,320	28,670	29,090
	<b>54"</b>	<b>7,410</b>	<b>9,050</b>	<b>10,010</b>	<b>16,770</b>	<b>22,080</b>	<b>26,110</b>	<b>26,500</b>
	60"	6,710	8,200	9,080	15,300	20,220	23,960	24,320

**See Important Notes for Capacity on Page 6!**

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

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>216"</b>	<b>18"</b>	<b>15,900</b>	<b>19,260</b>	<b>21,450</b>	<b>34,300</b>	<b>48,660</b>	<b>55,810</b>	<b>56,540</b>
	24"	12,890	15,640	17,370	28,260	40,580	46,960	47,600
	<b>30"</b>	<b>10,820</b>	<b>13,140</b>	<b>14,580</b>	<b>24,010</b>	<b>34,790</b>	<b>40,530</b>	<b>41,090</b>
	36"	9,300	11,320	12,540	20,850	30,440	35,630	36,140
	<b>42"</b>	<b>8,140</b>	<b>9,920</b>	<b>10,990</b>	<b>18,410</b>	<b>27,040</b>	<b>31,780</b>	<b>32,240</b>
	48"	7,230	8,820	9,760	16,470	24,320	28,670	29,090
	<b>54"</b>	<b>6,480</b>	<b>7,920</b>	<b>8,770</b>	<b>14,890</b>	<b>22,080</b>	<b>26,110</b>	<b>26,500</b>
	60"	5,870	7,180	7,950	13,570	20,220	23,960	24,320
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>240"</b>	<b>18"</b>	<b>14,680</b>	<b>17,790</b>	<b>19,810</b>	<b>31,970</b>	<b>48,640</b>	<b>55,790</b>	<b>56,520</b>
	24"	11,880	14,430	16,030	26,320	40,560	46,940	47,580
	<b>30"</b>	<b>9,960</b>	<b>12,110</b>	<b>13,440</b>	<b>22,350</b>	<b>34,770</b>	<b>40,500</b>	<b>41,060</b>
	36"	8,550	10,410	11,540	19,400	30,410	35,600	36,110
	<b>42"</b>	<b>7,470</b>	<b>9,120</b>	<b>10,100</b>	<b>17,120</b>	<b>27,000</b>	<b>31,740</b>	<b>32,200</b>
	48"	6,610	8,090	8,960	15,300	24,270	28,630	29,050
	<b>54"</b>	<b>5,920</b>	<b>7,250</b>	<b>8,030</b>	<b>13,820</b>	<b>22,040</b>	<b>26,060</b>	<b>26,450</b>
	60"	5,340	6,560	7,260	12,580	20,160	23,910	24,260
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>264"</b>	<b>18"</b>		<b>16,130</b>	<b>17,960</b>	<b>28,800</b>	<b>44,890</b>	<b>55,790</b>	<b>56,520</b>
	24"		13,080	14,530	23,710	37,410	46,940	47,580
	<b>30"</b>		<b>10,970</b>	<b>12,180</b>	<b>20,120</b>	<b>32,050</b>	<b>40,500</b>	<b>41,060</b>
	36"		9,430	10,460	17,460	28,020	35,600	36,110
	<b>42"</b>		<b>8,250</b>	<b>9,140</b>	<b>15,400</b>	<b>24,890</b>	<b>31,740</b>	<b>32,200</b>
	48"		7,310	8,100	13,760	22,330	28,630	29,050
	<b>54"</b>		<b>6,550</b>	<b>7,260</b>	<b>12,420</b>	<b>20,260</b>	<b>26,060</b>	<b>26,450</b>
	60"		5,920	6,560	11,300	18,520	23,910	24,260

**See Important Notes for Capacity on Page 6!**

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

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>288"</b>	<b>18"</b>		<b>14,820</b>	<b>16,500</b>	<b>26,350</b>	<b>40,810</b>	<b>55,660</b>	<b>56,520</b>
	24"		12,010	13,350	21,690	34,010	46,820	47,580
	<b>30"</b>		<b>10,070</b>	<b>11,180</b>	<b>18,400</b>	<b>29,130</b>	<b>40,380</b>	<b>41,060</b>
	36"		8,650	9,590	15,960	25,460	35,480	36,110
	<b>42"</b>		<b>7,560</b>	<b>8,380</b>	<b>14,080</b>	<b>22,590</b>	<b>31,620</b>	<b>32,200</b>
	48"		6,700	7,430	12,570	20,290	28,510	29,050
	<b>54"</b>		<b>6,000</b>	<b>6,650</b>	<b>11,340</b>	<b>18,390</b>	<b>25,940</b>	<b>26,450</b>
	60"		5,410	6,000	10,320	16,810	23,780	24,260
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>312"</b>	<b>18"</b>		<b>13,870</b>	<b>15,450</b>	<b>24,820</b>	<b>38,670</b>	<b>52,000</b>	<b>56,500</b>
	24"		11,230	12,480	20,410	32,210	43,730	47,550
	<b>30"</b>		<b>9,400</b>	<b>10,440</b>	<b>17,310</b>	<b>27,580</b>	<b>37,700</b>	<b>41,030</b>
	36"		8,060	8,940	15,000	24,090	33,110	36,070
	<b>42"</b>		<b>7,030</b>	<b>7,800</b>	<b>13,210</b>	<b>21,360</b>	<b>29,500</b>	<b>32,160</b>
	48"		6,220	6,890	11,780	19,170	26,580	29,010
	<b>54"</b>		<b>5,550</b>	<b>6,160</b>	<b>10,620</b>	<b>17,370</b>	<b>24,170</b>	<b>26,400</b>
	60"		4,990	5,540	9,640	15,860	22,140	24,210
<b>Tower Height:</b>	<b>Arm Length:</b>							
<b>336"</b>	<b>18"</b>		<b>12,890</b>	<b>14,350</b>	<b>23,060</b>	<b>35,920</b>	<b>48,330</b>	<b>54,570</b>
	24"		10,430	11,590	18,960	29,920	40,630	45,920
	<b>30"</b>		<b>8,730</b>	<b>9,690</b>	<b>16,070</b>	<b>25,610</b>	<b>35,030</b>	<b>39,610</b>
	36"		7,480	8,300	13,920	22,360	30,760	34,800
	<b>42"</b>		<b>6,520</b>	<b>7,230</b>	<b>12,260</b>	<b>19,820</b>	<b>27,400</b>	<b>31,010</b>
	48"		5,750	6,390	10,930	17,780	24,680	27,950
	<b>54"</b>		<b>5,130</b>	<b>5,700</b>	<b>9,840</b>	<b>16,110</b>	<b>22,440</b>	<b>25,420</b>
	60"		4,610	5,120	8,930	14,700	20,550	23,290

**See Important Notes for Capacity on Page 6!**

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

Column Type:		W8X18	W8X21	W8X24	W10X26	W12X30	W14X34	W14X38
Tower Height:	Arm Length:							
360"	18"		12,030	13,400	21,530	33,530	45,140	50,970
	24"		9,730	10,820	17,700	27,920	37,950	42,880
	30"		8,140	9,040	15,000	23,900	32,710	36,980
	36"		6,970	7,730	12,990	20,860	28,720	32,490
	42"		6,070	6,740	11,430	18,490	25,580	28,950
	48"		5,360	5,940	10,190	16,580	23,030	26,090
	54"		4,770	5,300	9,170	15,020	20,930	23,720
	60"		4,280	4,760	8,320	13,700	19,170	21,730

#### 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. So 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.

## I-Beam Cantilever Arm Chart

Length	S3X5.7	S4X7.7	S5X10	S5X10
	used with any tower (W8 to W16)	used with any tower (W8 to W16)	used with W8 tower only	used with W10 or larger tower
<b>018"</b>	<b>4,230</b>	<b>7,000</b>	<b>8,820</b>	<b>10,240</b>
024"	3,170	5,240	6,610	7,670
<b>030"</b>	<b>2,530</b>	<b>4,190</b>	<b>5,280</b>	<b>6,130</b>
036"	2,100	3,480	4,390	5,100
<b>042"</b>	<b>1,800</b>	<b>2,980</b>	<b>3,760</b>	<b>4,370</b>
048"	1,570	2,600	3,280	3,810
<b>054"</b>	<b>1,390</b>	<b>2,310</b>	<b>2,910</b>	<b>3,380</b>
060"	1,250	2,070	2,610	3,040
<b>066"</b>	<b>1,130</b>	<b>1,880</b>	<b>2,370</b>	<b>2,750</b>
072"	1,030	1,710	2,160	2,520

Length	W6X12	W6X12	W6X12	W6X12	W6X12
	Used with tower W8XW18	Used with tower W10XW26	Used with tower W12XW30	Used with tower W14XW34	Used with tower W14XW38
<b>018"</b>	<b>10,850</b>	<b>12,920</b>	<b>14,400</b>	<b>14,780</b>	<b>18,440</b>
024"	8,130	9,680	10,790	11,080	13,820
<b>030"</b>	<b>6,500</b>	<b>7,740</b>	<b>8,620</b>	<b>8,850</b>	<b>11,050</b>
036"	5,410	6,440	7,180	7,370	9,200
<b>042"</b>	<b>4,620</b>	<b>5,510</b>	<b>6,140</b>	<b>6,310</b>	<b>7,880</b>
048"	4,040	4,810	5,370	5,510	6,880
<b>054"</b>	<b>3,580</b>	<b>4,270</b>	<b>4,760</b>	<b>4,890</b>	<b>6,110</b>
060"	3,210	3,830	4,280	4,390	5,490
<b>066"</b>	<b>2,910</b>	<b>3,480</b>	<b>3,880</b>	<b>3,980</b>	<b>4,980</b>
072"	2,660	3,180	3,550	3,640	4,560

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

