



## HV BEAM PROPERTIES

Properties (X-axis)	Main Beams		Secondary Beams	
	IMP	SI	IMP	SI
I	13.4 in <sup>4</sup>	559.3 cm <sup>4</sup>	4.2 in <sup>4</sup>	175.0 cm <sup>4</sup>
S	3.7 in <sup>3</sup>	60.8 cm <sup>3</sup>	1.77 in <sup>3</sup>	29.0 cm <sup>3</sup>
E	10.1E6lb/in <sup>2</sup>	7.02E6 N/cm <sup>2</sup>	10.1E6lb/in <sup>2</sup>	7.02E6 N/cm <sup>2</sup>
Mmax	71,472 in-lb	813,700 N-cm	28,800 in-lb	327,900 N-cm
Vmax	6000 lb	26,900 N	3700 lb	16,600 N



# TITAN POST SHORE LOAD TABLE

Post Shore Height: Shore Extension + Drophead (feet)	TITAN #2 46 lbs	TITAN #3 49 lbs	TITAN #4 66 lbs	Titan #5 87 lbs
7'-0"	9500			
7'-4"	9500			
7'-8"	9500			
7'-10"	9500	9500		
8'-0"	9500	9500		
8'-4"	9500	9500		
8'-8"	9500	9500		
9'-0"	9100	9100		
9'-4"	8500	8600		
9'-8"	7900	7900	9500	
10'-0"	7400	7400	9500	
10'-0.5"	7300	7300	9500	
10'-4"	6700	6700	9300	
10'-8"	6000	6000	9200	
10'-10"		5700	9100	9500
11'-0"		5300	9100	9500
11'-4"		4700	8900	9500
11'-7"		4200	8800	9500
11'-8"			8800	9500
12'-0"			8600	9500
12'-4"			8300	9500
12'-8"			7900	9500
13'-0"			7500	9500
13'-4"			7100	9500
13'-8"			6700	9500
14'-0"			6400	9500



**Design Considerations:**

- Post Shore Capacities are safe working loads. Safety factor is 2.5:1.
- Maximum Post Shore Load of 9500# is governed by Drop Head Capacity.
- Post Shore capacities assume concentric loads.
- Post Shore capacities are for unbraced shores.
- Post Shore height is total shore height (Post Shore extension plus 10" Drophead)
- Post Shore minimum height allows 2 inches for stripping.
- Post Shore weights shown include 10 lb. Drophead.
- #5 Post Shore Heights above 18'-10" include a 2'-0" Shore Extension bolted to the #5 Shore.  
DO NOT use Shore Extensions for any shore height below 18'-10".



# TITAN POST SHORE LOAD TABLE cont.

Post Shore Height: Shore Extension + Drophead (feet)	TITAN #2 46 lbs	TITAN #3 49 lbs	TITAN #4 66 lbs	Titan #5 87 lbs
14'-0"			6,400	9,500
14'-4"			6,000	9,500
14'-8"				9,500
15'-0"				9,500
15'-4"				9,000
15'-8"				8,500
16'-0"				8,100
16'-4"				7,900
16'-8"				7,700
17'-0"				7,500
17'-4"				7,100
17'-8"				6,800
18'-0"				6,500
18'-4"				6,100
18'-8"				5,800
18'-10"				5,600
19'-0"				5,500
19'-4"				5,200
19'-8"				4,900
20'-0"				4,500
20'-4"				3,900
20'-8"				3,600
20'-10"				3,600



**Design Considerations:**

- Post Shore Capacities are safe working loads. Safety factor is 2.5:1.
- Maximum Post Shore Load of 9500# is governed by Drop Head Capacity.
- Post Shore capacities assume concentric loads.
- Post Shore capacities are for unbraced shores.
- Post Shore height is total shore height (Post Shore extension plus 10" Drophead)
- Post Shore minimum height allows 2 inches for stripping.
- Post Shore weights shown include 10 lb. Drophead.
- #5 Post Shore Heights above 18'-10" include a 2'-0" Shore Extension bolted to the #5 Shore.  
DO NOT use Shore Extensions for any shore height below 18'-10".



<b>5'-7" Secondary Beam Spacing Chart</b>					<b>Rev 10/22/09</b>	<b>3'-9" Secondary Beam Spacing Chart</b>					<b>Rev 10/22/09</b>
Lower of Plywood or Bending governing (ply 1/360 max)(sec bm 1/288 max)						Lower of Plywood or Bending governing (ply 1/360 max)(sec bm 1/288 max)					
Secondary Beam Loaded entire length (67")						Secondary Beam Loaded entire length (45")					
<b>Slab Thk</b>	<b>Sec 3/4"</b>	<b>Sec 3/4"</b>	<b>Sec 5/8"</b>	<b>Sec 5/8"</b>		<b>Slab Thk</b>	<b>Sec 3/4"</b>	<b>Sec 3/4"</b>	<b>Sec 5/8"</b>	<b>Sec 5/8"</b>	
	<b>Strong</b>	<b>Weak</b>	<b>Strong</b>	<b>Weak</b>			<b>Strong</b>	<b>Weak</b>	<b>Strong</b>	<b>Weak</b>	
6	24	17	19.2	13		6	24	19.2	19.2	13	
7	24	17	19.2	13		7	24	17	19.2	13	
8	24	17	18	13		8	24	17	18	13	
9	24	15	18	12		9	24	15	18	12	
10	19.2	14	18	10		10	19.2	14	18	10	
11	19.2	13	16	10		11	19.2	13	16	10	
12	19.2	13	16	10		12	19.2	13	16	10	
13	19.2	13	16	10		13	19.2	13	16	10	
14	19.2	13	16	10		14	19.2	13	16	10	
15	19.2	13	16	10		15	19.2	13	16	10	
16	18	12	16	10		16	18	12	16	10	
17	16	11	16	9		17	16	11	16	9	
18	16	11	16	9		18	16	11	16	9	
19	16	11	16	9		19	16	11	16	9	
20	16	11	16	9		20	16	11	16	9	
21	16	11	12	9		21	16	11	12	9	
22	16	11	12	9		22	16	11	12	9	
23	16	11	12	9		23	16	11	12	9	
24	16	10	12	8		24	16	10	12	8	
25	14	10	12	8		25	14	10	12	8	
26	14	10	12	8		26	14	10	12	8	
27	14	10	12	8		27	14	10	12	8	
28	12	10	12	8		28	14	10	12	8	
29	12	10	12	8		29	14	10	12	8	
30	12	10	12	8		30	12	10	12	8	
31	12	10	12	8		31	12	10	12	8	
32-33	12	9	12	7		32	12	10	12	8	
34-41	8	8	8	7		33-41	12	9	12	7	
42-53	8	8	8	7		42-53	12	9	8	7	
54	6	6	6	6		54	12	9	8	7	
56	6	6	6	6		56	12	9	8	7	
58-72	6	6	6	6		58-72	8	8	8	6	