

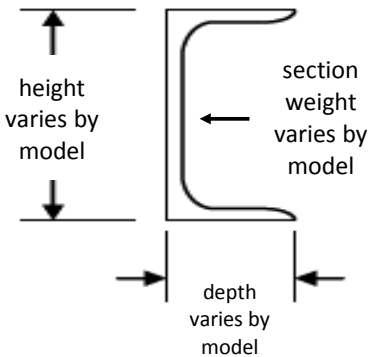
Structural Channel Beams Capacity Chart

Marlette, MI and Lodi, CA

Model	335M	341M	445M	454M	567M	682M	798M	811M
Height	3"	3"	4"	4"	5"	6"	7"	8"
Section Weight	3.5 lbs/ft	4.1 lbs/ft	4.5 lbs/ft	5.4 lbs/ft	6.7 lbs/ft	8.2 lbs/ft	9.8 lbs/ft	11.5 lbs/ft
Depth	1-3/8"	1-3/8"	1-5/8"	1-5/8"	1-3/4"	1-7/8"	2-1/8"	2-1/4"

Load Capacity Rating (See Load Capacity Rating Notes Below)

Beam Length	335M		341M		445M		454M		567M		682M		798M		811M	
	Unbraced	Single Brace	Unbraced	Single Brace	Unbraced	Single Brace	Unbraced	Single Brace	Unbraced	Single Brace	Unbraced	Single Brace	Unbraced	Single Brace	Unbraced	Single Brace
48	13,653	13,653	14,432	14,432	21,454	21,454	23,074	23,074	32,500	32,500	32,500	32,500	32,500	32,500	32,500	32,500
54	12,051	12,339	13,010	13,041	18,636	19,236	20,299	20,688	30,126	30,900	32,500	32,500	32,500	32,500	32,500	32,500
60	10,610	11,280	11,501	11,921	16,217	17,464	17,725	18,782	26,087	27,926	32,500	32,500	32,500	32,500	32,500	32,500
66	9,424	10,419	10,247	10,996	14,212	16,000	15,593	17,206	22,799	25,521	32,500	32,500	32,500	32,500	32,500	32,500
72	8,419	9,694	9,197	10,229	12,549	14,797	13,809	15,895	20,029	23,494	28,481	32,500	32,500	32,500	32,500	32,500
78	7,552	8,696	8,293	9,042	11,121	13,766	12,292	14,787	17,679	21,779	25,067	30,868	32,500	32,500	32,500	32,500
84	6,804	7,631	7,512	7,923	9,890	12,885	10,985	13,839	15,657	20,309	22,134	28,753	30,816	32,500	32,500	32,500
90	6,142	6,767	6,822	7,025	8,816	12,122	9,835	13,005	13,899	19,037	19,566	26,892	27,224	32,500	32,500	32,500
96	5,557	6,040	6,206	6,268	7,767	11,443	8,834	12,290	12,285	17,924	17,201	25,290	23,963	32,500	32,500	32,500
102	5,005	5,442	5,639	5,639	6,908	10,577	7,886	11,063	10,866	16,863	15,136	23,852	21,022	32,500	28,798	32,500
108	4,511	4,932	5,109	5,109	6,184	9,525	7,063	9,963	9,687	15,668	13,444	22,171	18,582	30,678	25,380	32,500
114	4,121	4,524	4,685	4,685	5,619	8,692	6,419	9,086	8,770	14,649	12,126	20,673	16,719	28,595	22,774	32,500
120	3,731	4,115	4,261	4,261	5,053	7,858	5,775	8,208	7,853	13,629	10,807	19,175	14,856	26,511	20,168	32,500
126	3,439	3,808	3,933	3,942	4,637	7,233	5,297	7,555	7,178	12,785	9,853	17,955	13,517	24,816	18,301	31,818
132	3,147	3,500	3,604	3,623	4,220	6,608	4,819	6,901	6,502	11,941	8,899	16,735	12,177	23,120	16,433	31,136
138	2,921	3,261	3,344	3,374	3,901	6,127	4,456	6,398	5,992	11,142	8,182	15,716	11,172	21,693	15,047	29,220
144	2,694	3,021	3,084	3,125	3,582	5,645	4,092	5,894	5,482	10,342	7,465	14,696	10,166	20,265	13,661	27,304
150	2,517	2,831	2,880	2,928	3,334	5,268	3,809	5,497	5,089	9,618	6,913	13,830	9,395	19,054	12,610	25,693
156	2,340	2,641	2,675	2,731	3,086	4,891	3,526	5,099	4,696	8,894	6,360	12,964	8,624	17,843	11,559	24,082
162	2,197	2,488	2,512	2,572	2,888	4,588	3,300	4,782	4,381	8,317	5,922	12,212	8,019	16,803	10,732	22,687
168	2,053	2,334	2,349	2,413	2,689	4,284	3,073	4,465	4,065	7,740	5,484	11,460	7,414	15,763	9,905	21,292
174	1,935	2,206	2,214	2,280	2,529	4,038	2,889	4,208	3,813	7,277	5,135	10,812	6,930	14,859	9,247	20,081
180	1,817	2,078	2,079	2,147	2,369	3,791	2,704	3,951	3,561	6,813	4,786	10,164	6,446	13,955	8,589	18,870
186	1,720	1,973	1,968	2,038	2,236	3,587	2,554	3,738	3,355	6,426	4,499	9,555	6,053	13,127	8,056	17,809
192	1,623	1,868	1,857	1,929	2,103	3,382	2,404	3,524	3,149	6,038	4,212	8,946	5,660	12,298	7,522	16,747



Load Capacity Rating Notes

- 1 - Capacities are for static loads only and are determined per 2002 RMI and 2001 AISI specifications.
- 2 - Capacities apply to uniformly loaded beams and include impact load.
- 3 - For beams greater than 60"L supporting one load wide, contact SpaceRAK Engineering.
- 4 - Beams longer than 108" that support decks should be tied together to prevent spreading.
- 5 - Deflection is limited to L/180 where L is clear span of beam.
- 6 - Capacities are based 8" x 4-hole end connectors.
- 7 - Capacities valid for beams manufactured by SpaceRAK, in good condition and properly maintained.
- 8 - Capacities are only valid when SpaceRAK beams are combined with SpaceRAK frames.
- 9 - For shelf loads of 10,000# or more, consult SpaceRAK Engineering.