

AL-Beam Load Chart

Span (ft.)	Allowable Deflection (in.)	1 Span (lbs./ft.)	2 Span (lbs./ft.)	3 Span (lbs./ft.)
4.00	0.13	3151 M	2471 R	2808 R
4.50	0.15	2490 M	2196 R	2496 R
5.00	0.17	2017 M	1977 R	2246 R
5.50	0.18	1537 D	1797 R	2042 R
6.00	0.20	1184 D	1647 M	1872 R
6.50	0.22	931 D	1521 M	1728 R
7.00	0.23	745 D	1404 M	1406 D
7.50	0.25	606 D *606	1223 M	1144 D *1144
8.00	0.27	499 D *468	1075 M	942 D *883
8.50	0.28	416 D *367	952 M *855	786 D *693
9.00	0.30	351 D *292	845 D *704	662 D *551
9.50	0.32	298 D *235	718 D *567	563 D *444
10.00	0.33	256 D *192	616 D *462	482 D *362
10.50	0.35	221 D *158	532 D *380	417 D *298
11.00	0.37	192 D *131	463 D *315	362 D *247
11.50	0.38	168 D *110	405 D *264	317 D *207
12.00	0.40	148 D *92	356 D *223	279 D *174

- Notes:** 1. R denotes reaction governs. With beam fully supported on 8 in. (200 mm) Aluma J-Head.
For different support conditions consult Aluma Systems Engineering for capacity.
2. M denotes moment governs.
3. D denotes deflection governs (deflection < L360).
4. Value with * denotes deflection governs with deflection limited to 6 mm (or 1/4 in.).
5. Factor of Safety – 2.2:1.

