

Aluminum Covers Plank Grating Load Table

Grating Depth	Ped. Span, Inches	Approx. Weight lbs/sqft	Sec. Prop. Sx* (in ³)	Clear Span (Direction of Bearing Bar)												
				Ix* (in ⁴)	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'- 0"	6'-6"	7'-0"	8'-0"
1-1/2"	68	3.65	1.003	U	2005	1283	891	654	501	396	320	265	222	189	163	125
				Du	0.077	0.121	0.174	0.236	0.309	0.391	0.482	0.584	0.693	0.812	0.942	1.233
			0.934	C	2005	1604	1336	1145	1002	891	802	729	668	617	572	501
				Dc	0.062	0.097	0.139	0.189	0.247	0.313	0.386	0.467	0.556	0.653	0.756	0.988

Deflection: Spans and loads to the right of the bold line exceed 1/4" deflection for uniform load of 100 psf. This can be exceeded for other types of loads with the Engineer's approval.