

HEAVY DUTY ALUMINUM COVER SYSTEM PLANK GRATING LOAD TABLE

Cover Depth	Ped. Span 1/4" Defl. [Inches]	Uniform Load Clear Span L/240 Limit [Inches]	Concentrated Load Clear Span	Approx. Weight lbs/sqft	Sec. Prop. Sx* (in ³) Ix* (in ⁴)	Clear Span (Direction of Bearing Bar)												
						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 (5'-8")	*71 (5'-11")	*160 (13'-4")	3.65	1.003	U	2005	1283	769	484	324	227	166	124	96	75	60	40
						Du	0.077	0.121	0.150	0.175	0.200	0.225	0.250	0.273	0.300	0.322	0.347	0.395
					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

* These numbers are based off of NORMAL loading conditions of 100 psf & 300 lb. concentrated. If the Job Specifications do not meet these normal loading conditions, consult with PMWI Engineering.

* Use the (max) Pedestrian Span of 68" if pedestrian comfort is a requirement of the project. If pedestrian comfort is not needed, use the 'Uniform Load' max clear span of 71" (for NORMAL loading conditions).