

## STANDARD 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 <sup>3</sup> ) Ix* (in <sup>4</sup> )	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"	*58 (4'-10")	*80 (6'-8")	*78 (6'-6")	2.86	0.651	U	1301	832	549	345	231	162	118	89	68	54	43	28
						Du	0.070	0.110	0.150	0.175	0.199	0.224	0.249	0.275	0.297	0.325	0.348	0.387
					0.667	C	1301	1040	867	743	650	578	520	473	433	400	371	325
						Dc	0.056	0.088	0.126	0.172	0.224	0.284	0.351	0.424	0.504	0.593	0.686	0.898

\* These numbers are based off of NORMAL loading conditions of 50 psf & 400 lb. concentrated. If the Job Specifications do not meet these normal loading conditions, consult with PMWI Engineering.

\* Use the (max) Pedestrian Span of 58" if pedestrian comfort is a requirement of the project. If pedestrian comfort is not needed, use the 'Concentrated Load' max clear span of 78" (for NORMAL loading conditions).