



CLEAR SPAN	LOAD TYPE	(U) LBS./SF (C) LBS./FT & RESULTING DEFLECTION IN INCHES															SAFE LD FCTR 2:1	DEFL
		50	100	150	200	250	300	400	500	750	1000	2000	3000	4000	5000	6000		
12"	U	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.006	0.009	0.012	0.024	0.036	0.048	0.060	0.073	15600	0.189
	C	0.001	0.002	0.003	0.004	0.005	0.006	0.008	0.010	0.015	0.019	0.039	0.058	0.077	0.097	0.116	7800	0.151
18"	U	0.003	0.006	0.008	0.011	0.014	0.017	0.022	0.028	0.042	0.056	0.112	0.167	0.223	0.279	0.335	7431	0.415
	C	0.003	0.006	0.009	0.012	0.015	0.018	0.024	0.030	0.045	0.060	0.119	0.179	0.238	0.298	--	5573	0.332
24"	U	0.008	0.017	0.025	0.033	0.041	0.050	0.066	0.083	0.124	0.166	0.332	0.498	0.664	--	--	4350	0.722
	C	0.007	0.013	0.020	0.027	0.033	0.040	0.053	0.066	0.100	0.133	0.265	0.398	0.531	--	--	4350	5.770
30"	U	0.019	0.039	0.058	0.077	0.096	0.116	0.154	0.193	0.289	0.386	--	--	--	--	--	2784	1.074
	C	0.012	0.025	0.037	0.049	0.062	0.074	0.099	0.123	0.185	0.247	0.494	--	--	--	--	3480	0.859
36"	U	0.038	0.077	0.115	0.153	0.192	0.230	0.307	0.383	0.575	--	--	--	--	--	--	1933	1.482
	C	0.020	0.041	0.061	0.082	0.102	0.123	0.164	0.205	0.307	0.409	--	--	--	--	--	2900	1.186
42"	U	0.070	0.141	0.211	0.281	0.352	0.422	0.563	0.703	--	--	--	--	--	--	--	1414	1.988
	C	0.032	0.064	0.096	0.129	0.161	0.193	0.257	0.321	0.482	0.643	--	--	--	--	--	2474	1.590
48"	U	0.118	0.235	0.353	0.470	0.588	0.705	--	--	--	--	--	--	--	--	--	1078	2.534
	C	0.047	0.094	0.141	0.188	0.235	0.282	0.376	0.470	--	--	--	--	--	--	--	2155	2.026
54"	U	0.188	0.375	0.563	--	--	--	--	--	--	--	--	--	--	--	--	849	3.184
	C	0.067	0.133	0.200	0.267	0.333	0.400	0.533	0.667	--	--	--	--	--	--	--	1911	2.548

**U** - Uniform Load - Lbs./Sf. **C** - Concentrated Load - Lbs./Ft. of Width at Mid Span | Loading information based on 12 bearing bars per foot of Grating width. Product weighs 3.40 Lbs./Sf. Safe load values have a safety factor of 2:1 (two to one). Technical information provided is theoretical and for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Fiberglass Grating.

 ADA compliant spacing (1/2" maximum clear opening) when the direction of bearing bars (span) are installed perpendicular to the dominant direction of travel.