




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		
12"	U	0.001	0.003	0.004	0.005	0.006	0.008	0.010	0.013	0.019	0.025	0.050	6355	0.159
	C	0.002	0.004	0.006	0.008	0.010	0.012	0.016	0.020	0.030	0.040	0.080	3711	0.128
18"	U	0.006	0.012	0.018	0.025	0.031	0.037	0.049	0.061	0.092	0.123	0.246	2859	0.351
	C	0.007	0.013	0.020	0.026	0.033	0.039	0.052	0.066	0.098	0.131	0.262	2145	0.281
24"	U	0.019	0.038	0.056	0.075	0.094	0.113	0.150	0.188	0.281	0.375	--	1628	0.610
	C	0.015	0.030	0.045	0.060	0.075	0.090	0.120	0.150	0.225	0.300	--	1628	0.488
30"	U	0.044	0.089	0.133	0.178	0.222	0.266	0.355	0.444	--	--	--	1055	0.936
	C	0.028	0.057	0.085	0.114	0.142	0.170	0.227	0.284	0.426	0.568	--	1319	0.749
36"	U	0.089	0.179	0.268	0.357	0.447	0.536	--	--	--	--	--	741	1.325
	C	0.048	0.095	0.143	0.191	0.238	0.286	0.381	0.476	--	--	--	1112	1.060
42"	U	0.160	0.321	0.481	--	--	--	--	--	--	--	--	551	1.766
	C	0.073	0.147	0.220	0.293	0.366	0.440	0.586	--	--	--	--	964	1.413

U - Uniform Load - Lbs./Sf. C - Concentrated Load - Lbs./Ft. of Width at Mid Span | Loading information based on 8 bearing bars per foot of Grating width. Product weighs 2.03 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.

