




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	2500	3000	4000		
12"	U	0.001	0.002	0.003	0.004	0.005	0.006	0.008	0.010	0.016	0.021	0.042	0.052	0.063	0.083	10680	0.223
	C	0.002	0.003	0.005	0.007	0.008	0.010	0.013	0.017	0.025	0.033	0.067	0.083	0.100	0.133	5340	0.178
18"	U	0.005	0.010	0.014	0.019	0.024	0.029	0.038	0.048	0.072	0.096	0.192	0.240	0.288	0.385	4746	0.456
	C	0.005	0.010	0.015	0.021	0.026	0.031	0.041	0.051	0.077	0.103	0.205	0.256	0.308	--	3560	0.365
24"	U	0.014	0.029	0.043	0.057	0.072	0.086	0.115	0.144	0.215	0.287	0.574	--	--	--	2670	0.767
	C	0.011	0.023	0.034	0.046	0.057	0.069	0.092	0.115	0.172	0.230	0.459	0.574	--	--	2670	0.613
30"	U	0.033	0.067	0.100	0.133	0.166	0.200	0.266	0.333	0.499	--	--	--	--	--	1693	1.127
	C	0.021	0.043	0.064	0.085	0.107	0.128	0.170	0.213	0.320	0.426	--	--	--	--	2116	0.902
36"	U	0.067	0.134	0.201	0.268	0.335	0.402	0.536	--	--	--	--	--	--	--	1157	1.551
	C	0.036	0.071	0.107	0.143	0.179	0.214	0.286	0.357	0.536	--	--	--	--	--	1736	1.241
42"	U	0.119	0.238	0.358	0.477	0.596	--	--	--	--	--	--	--	--	--	833	1.987
	C	0.055	0.109	0.164	0.218	0.273	0.327	0.436	0.545	--	--	--	--	--	--	1458	1.590
48"	U	0.200	0.399	0.599	--	--	--	--	--	--	--	--	--	--	--	625	2.496
	C	0.080	0.160	0.240	0.320	0.399	0.479	--	--	--	--	--	--	--	--	1250	1.997

U - Uniform Load - Lbs./Sf. C - Concentrated Load - Lbs./Ft. of Width at Mid Span | Loading information based on 6 bearing bars per foot of Grating width. Product weighs 2.60 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.

