


CLEAR SPAN	LOAD TYPE	LBS./SF & RESULTING DEFLECTION IN INCHES														SAFE LOAD FACTOR 2:1	DEFLECTION
		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	0.014	0.019	0.039	0.048	0.058	0.077	11546	0.223
	C	0.002	0.003	0.005	0.006	0.008	0.009	0.012	0.015	0.023	0.031	0.062	0.077	0.093	0.123	5773	0.178
18"	U	0.004	0.009	0.013	0.018	0.022	0.027	0.036	0.044	0.067	0.089	0.178	0.222	0.267	0.356	5131	0.456
	C	0.005	0.009	0.014	0.019	0.024	0.028	0.038	0.047	0.071	0.095	0.190	0.237	0.284	--	3849	0.365
24"	U	0.013	0.027	0.040	0.053	0.066	0.080	0.106	0.133	0.199	0.265	0.531	--	--	--	2886	0.766
	C	0.011	0.021	0.032	0.042	0.053	0.064	0.085	0.106	0.159	0.212	0.425	0.531	--	--	2886	0.613
30"	U	0.031	0.062	0.092	0.123	0.154	0.185	0.246	0.308	0.462	0.615	--	--	--	--	1830	1.126
	C	0.020	0.039	0.059	0.079	0.098	0.118	0.158	0.197	0.295	0.394	--	--	--	--	2288	0.901
36"	U	0.062	0.124	0.186	0.248	0.310	0.372	0.496	0.620	--	--	--	--	--	--	1251	1.550
	C	0.033	0.066	0.099	0.132	0.165	0.198	0.264	0.330	0.496	--	--	--	--	--	1877	1.240
42"	U	0.110	0.220	0.331	0.441	0.551	--	--	--	--	--	--	--	--	--	901	1.985
	C	0.050	0.101	0.151	0.202	0.252	0.302	0.403	0.504	--	--	--	--	--	--	1576	1.589
48"	U	0.185	0.369	0.554	--	--	--	--	--	--	--	--	--	--	--	676	2.495
	C	0.074	0.148	0.222	0.295	0.369	0.443	0.591	--	--	--	--	--	--	--	1351	1.996

U - Uniform Load - Lbs. per Square Foot

C - Concentrated Load - Lbs. per Square Foot of Width at Mid Span

- Safe load values have a safety factor of 2:1.
  - 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 product when direction of bearing bars (span) installed perpendicular to the dominant direction of travel.

