

SPAN	LOAD	POUNDS PER SQUARE FOOT														SAFE LOAD
		50	100	150	200	250	300	400	500	750	1000	2000	2500	3000	4000	
12"	ΔU	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
	ΔC	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
18"	ΔU	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
	ΔC	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
24"	ΔU	0.014	0.029	0.043	0.057	0.072	0.086	0.115	0.144	0.215	0.287	0.574	--	--	--	2670
	ΔC	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
30"	ΔU	0.033	0.067	0.100	0.133	0.166	0.200	0.266	0.333	0.499	--	--	--	--	--	1693
	ΔC	0.021	0.043	0.064	0.085	0.107	0.128	0.170	0.213	0.320	0.426	--	--	--	--	2116
36"	ΔU	0.067	0.134	0.201	0.268	0.335	0.402	0.536	--	--	--	--	--	--	--	1157
	ΔC	0.036	0.071	0.107	0.143	0.179	0.214	0.286	0.357	0.536	--	--	--	--	--	1736
42"	ΔU	0.119	0.238	0.358	0.477	0.596	--	--	--	--	--	--	--	--	--	833
	ΔC	0.055	0.109	0.164	0.218	0.273	0.327	0.436	0.545	--	--	--	--	--	--	1458
48"	ΔU	0.200	0.399	0.599	--	--	--	--	--	--	--	--	--	--	--	625
	ΔC	0.080	0.160	0.240	0.320	0.399	0.479	--	--	--	--	--	--	--	--	1250

ΔU - Deflection Under Uniform Load

ΔC - Deflection Under Concentrated Load

- Safe load values have a safety factor of 2:1.
- Technical information provided is theoretical and for evaluation by technically skilled persons only, 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 Grating.
- ♿ ADA-Compliant product when direction of bearing bars (span) installed perpendicular to the dominant direction of travel.

