

SPAN	LOAD	POUNDS PER SQUARE FOOT								SAFE LOAD	
		50	100	150	200	250	300	400	500		
12"	ΔU	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	4000
	ΔC	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	0.013	0.016	2000
18"	ΔU	<0.010	<0.010	0.012	0.016	0.020	0.024	0.032	0.040	0.040	1813
	ΔC	<0.010	<0.010	0.013	0.017	0.021	0.026	0.034	0.043	0.043	1360
24"	ΔU	0.010	0.021	0.031	0.042	0.052	0.063	0.083	0.104	0.104	960
	ΔC	<0.010	0.017	0.025	0.033	0.042	0.050	0.067	0.083	0.083	960
30"	ΔU	0.023	0.046	0.069	0.092	0.114	0.137	0.183	0.229	0.229	640
	ΔC	0.015	0.029	0.044	0.059	0.073	0.088	0.117	0.146	0.146	800
36"	ΔU	0.044	0.089	0.133	0.177	0.222	0.266	0.355	0.444	0.444	453
	ΔC	0.024	0.047	0.071	0.095	0.118	0.142	0.189	0.237	0.237	680
42"	ΔU	0.082	0.164	0.245	0.327	0.409	0.491	0.654	--	--	331
	ΔC	0.037	0.075	0.112	0.150	0.187	0.224	0.299	0.374	0.374	580
48"	ΔU	0.135	0.270	0.405	0.541	--	--	--	--	--	260
	ΔC	0.054	0.108	0.162	0.216	0.270	0.324	0.432	0.541	0.541	520
54"	ΔU	0.210	0.420	0.630	--	--	--	--	--	--	204
	ΔC	0.075	0.149	0.224	0.298	0.373	0.448	0.597	--	--	460

ΔU - Deflection Under Uniform Load

ΔC - Deflection Under Concentrated Load

- Safe load values have a safety factor of 5:1.
- 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.

