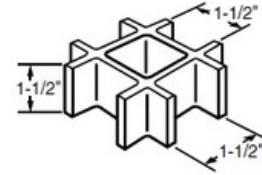


**MOLDED GRATING – Load Table**

**1.5" Deep Grating with 1.5" Square Mesh**

A=2.85 in.<sup>2</sup>/ft. of width  
I=0.51 in.<sup>4</sup>/ft. of width  
S=0.65 in.<sup>3</sup>/ft. of width

1-1/2" bearing bars: Values per foot of width  
Open Space = 70%  
Approx. Weight = 3.8 lbs/sq.ft.



SPAN INCHES		LOAD								SAFE LOAD 5:1 SAFETY FACTOR	DEFLECTION	E x 10 <sup>6</sup> PSI
		50	100	150	200	250	300	400	500			
12	Δu	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	0.014	0.018	3120	0.111	1.24
	Δc	<0.010	<0.010	<0.010	0.011	0.014	0.017	0.023	0.028	1560	0.089	
18	Δu	<0.010	0.014	0.021	0.028	0.036	0.043	0.057	0.071	1386	0.197	1.57
	Δc	<0.010	0.015	0.023	0.030	0.038	0.046	0.061	0.076	1040	0.158	
24	Δu	0.021	0.042	0.063	0.084	0.104	0.125	0.167	0.209	780	0.326	1.69
	Δc	0.017	0.033	0.050	0.067	0.084	0.100	0.134	0.167	780	0.261	
30	Δu	0.047	0.094	0.141	0.188	0.235	0.283	0.377	0.471	496	0.467	1.83
	Δc	0.030	0.060	0.090	0.121	0.151	0.181	0.241	0.301	620	0.374	
36	Δu	0.096	0.192	0.288	0.384	0.480	0.576			347	0.666	1.86
	Δc	0.051	0.102	0.154	0.205	0.256	0.307	0.410	0.512	520	0.533	
42	Δu	0.175	0.350	0.525						251	0.881	1.89
	Δc	0.080	0.160	0.240	0.320	0.400	0.480	0.641	0.801	440	0.705	
48	Δu	0.287	0.573							170	0.975	1.97
	Δc	0.115	0.229	0.344	0.459	0.573	0.688			340	0.780	

c IS CONCENTRATED LOAD LBS/FT OF WIDTH  
Δc IS DEFLECTION UNDER CONCENTRATED LOAD  
u IS UNIFORM LOAD LBS/FT<sup>2</sup>  
Δc IS DEFLECTION UNDER UNIFORM LOAD

