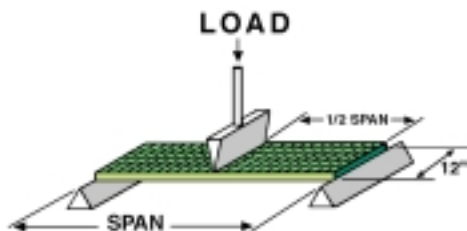


GATORGRATE Load & Deflection Table

Concentrated Load, 12" wide strip



GG-SD10 Standard Duty, Rectangular, 1" Thick (1" x 4")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.028	.070	.140	.210	.280	.420	**	890	1340
24"	.060	.150	.300	.450	**	**	**	420	630
36"	.192	.480	**	**	**	**	**	130	190
48"*	.385	**	**	**	**	**	**	60	90

GG-HD10 Heavy Duty, Rectangular, 1" Thick (1" x 4")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.026	.065	.130	.195	.260	.390	**	980	1470
24"	.057	.143	.285	.428	**	**	**	430	650
36"	.167	.418	**	**	**	**	**	150	220
48"*	.357	**	**	**	**	**	**	70	100

GG-1510 Square, 1" Thick (1½" x 1½")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.039	.098	.195	.293	.390	**	**	630	940
24"	.086	.215	.430	**	**	**	**	290	440
36"	.250	**	**	**	**	**	**	100	150
48"*	(1)	**	**	**	**	**	**	50	70

GG-1515 Square, 1½" Thick (1½" x 1½")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.012	.030	.060	.090	.120	.180	.240	2070	3100
24"	.027	.068	.135	.203	.270	.405	**	930	1390
36"	.077	.193	.385	**	**	**	**	330	490
48"*	.200	.500	**	**	**	**	**	125	190
60"*	.313	**	**	**	**	**	**	80	120

GG-2020 Square, 2" Thick (2" x 2")

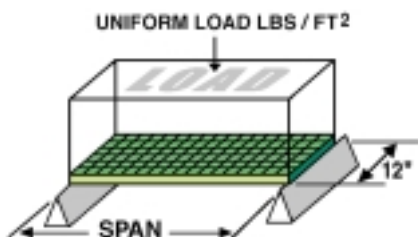
Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.008	.020	.040	.060	.080	.120	.160	2950	4420
24"	.014	.035	.070	.105	.140	.210	.280	1780	2670
36"	.040	.100	.200	.300	.400	**	**	620	930
48"*	.093	.232	.465	**	**	**	**	270	400
60"*	.147	.368	**	**	**	**	**	170	250

* Clear span is 2" less than width of grating.

** Deflections greater than 0.500" have been omitted.

GATORGRATE Load & Deflection Table

Uniform Load, 12" wide strip



GG-SD10 Standard Duty, Rectangular, 1" Thick (1" x 4")

Clear Span	Load, in Lbs./Ft. ²						Deflection in Inches	
	50	75	100	150	200	250	.250" Def	.375" Def
18"	.013	.020	.026	.039	.052	.065	950	1420
24"	.032	.048	.064	.096	.128	.160	390	580
36"	.154	.230	.308	.462	**	**	80	120
48"	.420	**	**	**	**	**	30	40

GG-HD10 Heavy Duty, Rectangular, 1" Thick (1" x 4")

Clear Span	Load, in Lbs./Ft. ²						Deflection in Inches	
	50	75	100	150	200	250	.250" Def	.375" Def
18"	.012	.018	.024	.036	.048	.060	1030	1540
24"	.030	.045	.060	.090	.120	.150	420	630
36"	.139	.209	.278	.417	**	**	90	130
48"	.420	**	**	**	**	**	30	40

GG-1510 Square, 1" Thick (1½" x 1½")

Clear Span	Load, in Lbs./Ft. ²						Deflection in Inches	
	50	75	100	150	200	250	.250" Def	.375" Def
18"	.018	.027	.036	.054	.072	.090	700	1050
24"	.052	.078	.104	.156	.208	.260	240	360
36"	.250	.375	.500	**	**	**	50	70
48"	**	**	**	**	**	**		

GG-1515 Square, 1½" Thick (1½" x 1½")

Clear Span	Load, in Lbs./Ft. ²						Deflection in Inches	
	50	75	100	150	200	250	.250" Def	.375" Def
18"	.006	.009	.012	.018	.024	.030	2140	3210
24"	.016	.024	.032	.048	.064	.080	760	1140
36"	.069	.104	.138	.207	.276	.345	180	270
48"	.250	.500	**	**	**	**	50	75

GG-2020 Square, 2" Thick (2" x 2")

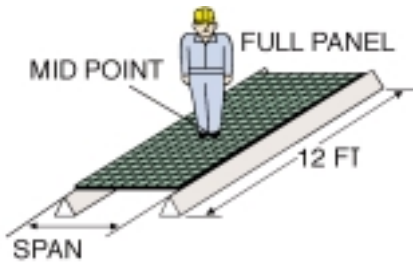
Clear Span	Load, in Lbs./Ft. ²						Deflection in Inches	
	50	75	100	150	200	250	.250" Def	.375" Def
18"	.004	.006	.008	.012	.016	.020	2840	4260
24"	.011	.017	.022	.033	.044	.055	1100	1650
36"	.042	.063	.084	.126	.168	.210	300	450
48"	.139	.208	.278	.417	**	**	90	130
60"	.250	.375	.500	**	**	**	50	70

* Clear span is 2" less than width of grating.

** Deflections greater than 0.500" have been omitted.

GATORGRATE Load & Deflection Table

Concentrated Load, Full Panel



GG-SD10 Standard Duty, Rectangular, 1" Thick (1" x 4")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.016	.040	.080	.120	.160	.240	.320	1560	2340
24"	.030	.075	.150	.225	.300	.450	**	830	1250
36"	.078	.195	.390	**	**	**	**	330	480
48"	.140	.350	**	**	**	**	**	180	270

GG-HD10 Heavy Duty, Rectangular, 1" Thick (1" x 4")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.015	.038	.075	.113	.150	.225	.300	1690	2530
24"	.027	.068	.135	.203	.270	.405	**	920	1380
36"	.071	.178	.355	**	**	**	**	350	520
48"	.119	.298	**	**	**	**	**	210	310

GG-1510 Square, 1" Thick (1½" x 1½")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.020	.050	.100	.150	.200	.300	.400	1230	1840
24"	.037	.093	.185	.278	.370	**	**	670	1010
36"	.093	.231	.465	**	**	**	**	270	400
48"	.160	.400	**	**	**	**	**	160	240

GG-1515 Square, 1½" Thick (1½" x 1½")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.009	.023	.045	.068	.090	.135	.180	2750	4120
24"	.013	.033	.065	.098	.130	.195	.260	1880	2820
36"	.032	.080	.160	.240	.320	.480	**	770	1150
48"	.057	.142	.284	.426	**	**	**	440	660
60"	.089	.223	.445	**	**	**	**	280	420

GG-2020 Square, 2" Thick (2" x 2")

Clear Span	Load, in Lbs., Deflection in Inches							.250" Def	.375" Def
	100	250	500	750	1000	1500	2000		
18"	.008	.020	.040	.060	.080	.120	.160	2980	4470
24"	.011	.028	.055	.083	.110	.165	.220	2290	3430
36"	.022	.055	.110	.165	.220	.330	.440	1130	1690
48"	.038	.095	.190	.285	.380	**	**	660	990
60"	.060	.150	.300	.450	**	**	**	420	630

* Clear span is 2" less than width of grating.

** Deflections greater than 0.500" have been omitted.