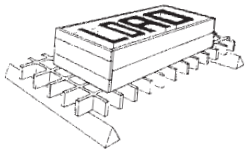
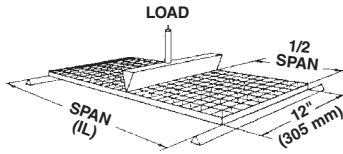


Uniform Load



Concentrated Load



c is concentrated load lbs/ft of width
 Δ c is deflection under concentrated load

u is uniform load lbs/ft
 Δ u is deflection under uniform load

SPAN	MS S-100 1" Ht. Molded Square									SAFE LOAD 5:1 SAFETY FACTOR
	LOAD TABLE									
	50	100	150	200	250	300	400	500		
12"	Δ U	<.010	<.010	.013	.017	.021	.025	.034	.042	1360
	Δ C	<.010	.014	.020	.027	.034	.041	.054	.068	680
18"	Δ U	.021	.041	.062	.082	.103	.123	.164	.205	666
	Δ C	.022	.044	.066	.088	.110	.131	.175	.219	500
24"	Δ U	.064	.128	.192	.256	.320	.384	.512	.640	380
	Δ C	.051	.102	.154	.205	.256	.307	.409	.512	380
30"	Δ U	.155	.309	.464	.619					240
	Δ C	.099	.198	.297	.396					300
36"	Δ U	.318	.635							160
	Δ C	.169	.339							240

1-1/2" x 1-1/2" square mesh

SPAN	MS S-150 1-1/2" Ht. Molded Square									SAFE LOAD 5:1 SAFETY FACTOR
	LOAD TABLE									
	50	100	150	200	250	300	400	500		
12"	Δ U	<.010	<.010	<.010	<.010	<.010	.011	.014	.018	3120
	Δ C	<.010	<.010	<.010	.011	.014	.017	.023	.028	1560
18"	Δ U	<.010	.014	.021	.028	.036	.043	.057	.071	1386
	Δ C	<.010	.015	.023	.030	.038	.046	.061	.076	1040
24"	Δ U	.021	.042	.063	.084	.104	.125	.167	.209	780
	Δ C	.017	.033	.050	.067	.084	.100	.134	.167	780
30"	Δ U	.047	.094	.141	.188	.235	.283	.377	.471	496
	Δ C	.030	.060	.090	.121	.151	.181	.241	.301	620
36"	Δ U	.096	.192	.288	.384	.480	.576			347
	Δ C	.051	.102	.154	.205	.256	.307			520
42"	Δ U	.175	.350	.525						251
	Δ C	.080	.160	.240						440
48"	Δ U	.287	.573							170
	Δ C	.115	.229							340

1-1/2" x 1-1/2" square mesh

SPAN	Mini-Grid™ MS M-150 1-1/2" Ht. Molded Square									SAFE LOAD 5:1 SAFETY FACTOR
	LOAD TABLE									
	50	100	150	200	250	300	400	500		
12"	Δ U	<.010	<.010	.011	.014	.017	.021	.028	.035	3860
	Δ C	<.010	.011	.017	.022	.028	.034	.045	.056	1930
18"	Δ U	.013	.026	.039	.052	.065	.078	.104	.130	1776
	Δ C	.014	.028	.042	.056	.070	.084	.112	.139	1332
24"	Δ U	.025	.050	.075	.100	.126	.151	.201	.251	1052
	Δ C	.020	.040	.060	.080	.101	.121	.161	.201	1052
30"	Δ U	.055	.110	.165	.219	.274	.329	.439	.548	632
	Δ C	.035	.070	.105	.140	.176	.211	.281	.351	790
36"	Δ U	.087	.173	.260	.346	.433	.520	.692		456
	Δ C	.046	.092	.139	.185	.231	.277	.370		684
42"	Δ U	.150	.300	.450	.600					332
	Δ C	.069	.138	.207	.276					582
48"	Δ U	.245	.490	.735						215
	Δ C	.098	.196	.294						430

1-1/2" x 1-1/2" square mesh

Molded Fiberglass Grating

• Square • Rectangular Load Tables

SPAN	MS S-200 2" Ht. Molded Square									SAFE LOAD 5:1 SAFETY FACTOR
	LOAD TABLE									
	50	100	150	200	250	300	400	500		
12"	Δ U	<.010	<.010	<.010	<.010	<.010	<.010	<.010	.010	4000
	Δ C	<.010	<.010	<.010	<.010	<.010	.010	.013	.016	2000
18"	Δ U	<.010	<.010	.012	.016	.020	.024	.032	.040	1813
	Δ C	<.010	<.010	.013	.017	.021	.026	.034	.043	1360
24"	Δ U	.010	.021	.031	.042	.052	.063	.083	.104	960
	Δ C	<.010	.017	.025	.033	.042	.050	.067	.083	960
30"	Δ U	.023	.046	.069	.092	.114	.137	.183	.229	640
	Δ C	.015	.029	.044	.059	.073	.088	.117	.146	800
36"	Δ U	.044	.089	.133	.177	.222	.266	.355	.444	453
	Δ C	.024	.047	.071	.095	.118	.142	.189	.237	680
42"	Δ U	.082	.164	.245	.327	.409	.491	.654		831
	Δ C	.037	.075	.112	.150	.187	.224	.299		580
48"	Δ U	.135	.270	.405	.541					260
	Δ C	.054	.108	.162	.216					520
54"	Δ U	.210	.420	.630						204
	Δ C	.075	.149	.224						560

2" x 2" square mesh

SPAN	MS R-100 1" Ht. Molded Rectangular									SAFE LOAD 5:1 SAFETY FACTOR
	LOAD TABLE									
	50	100	150	200	250	300	400	500		
12"	Δ U	<.010	<.010	<.010	.011	.014	.017	.022	.028	1960
	Δ C	<.010	<.010	.013	.018	.022	.027	.035	.044	980
18"	Δ U	.012	.025	.037	.049	.062	.074	.099	.123	960
	Δ C	.013	.026	.039	.053	.066	.079	.105	.131	720
24"	Δ U	.037	.074	.112	.149	.186	.223	.298	.372	560
	Δ C	.030	.060	.089	.119	.149	.179	.238	.298	560
30"	Δ U	.088	.176	.264	.352	.440	.528			336
	Δ C	.056	.113	.169	.225	.282	.338	.451	.563	420
36"	Δ U	.176	.353	.529						240
	Δ C	.094	.188	.282						360
42"	Δ U	.316	.632							183
	Δ C	.144	.289							320

1" x 4" rectangular mesh

SPAN	MS R-150 1-1/2" Ht. Molded Rectangular									SAFE LOAD 5:1 SAFETY FACTOR
	LOAD TABLE									
	50	100	150	200	250	300	400	500		
12"	Δ U	<.010	<.010	<.010	<.010	.011	.014	.018	.023	4272
	Δ C	<.010	<.010	.011	.015	.018	.022	.029	.037	2136
18"	Δ U	<.010	.018	.027	.035	.044	.053	.071	.089	1712
	Δ C	.010	.019	.028	.038	.047	.057	.076	.095	1284
24"	Δ U	.019	.038	.056	.075	.094	.112	.150	.188	956
	Δ C	.015	.030	.045	.060	.075	.090	.120	.150	956
30"	Δ U	.039	.078	.117	.156	.195	.233	.311	.389	587
	Δ C	.025	.050	.075	.100	.125	.150	.200	.250	734
36"	Δ U	.071	.143	.214	.285	.357	.428			385
	Δ C	.038	.076	.114	.152	.190	.228	.304	.381	578
42"	Δ U	.126	.252	.378	.504	.630				370
	Δ C	.058	.115	.173	.230	.288				472
48"	Δ U	.207	.414	.621						184
	Δ C	.083	.160	.248						368

1-1/2" x 6" rectangular mesh



Handrail is used on walkways and platforms for safe maintenance free worker access.



Serving you since 1952.



Fiberglass ladder cage assembly provides worker safe access to an outdoor platform.