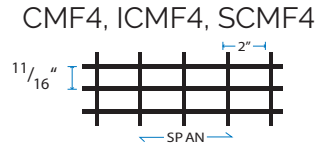


Satisfies maximum clear opening required by ADA.



Maximum span for 1/4" deflection under uniform load of 100 psf

SPAN IN INCHES			12	18	24	30	36	42											
3/4 X 3/16	U	40	2454	1091	614	393	273	200											
		D	0.048	0.108	0.192	0.300	0.432	0.587											
			C	1227	818	614	491	409	351										
			D	0.038	0.086	0.154	0.240	0.345	0.471	48	54								
S <sup>3</sup> /ft	U	50	4364	1940	1091	698	485	356	273	216									
		D	0.036	0.081	0.144	0.225	0.324	0.441	0.577	0.731									
			C	2182	1455	1091	873	727	623	546	485								
			D	0.029	0.065	0.115	0.180	0.259	0.353	0.461	0.583	60							
1 1/4 X 3/16	U	59	6818	3030	1705	1091	758	557	426	337	273								
		D	0.029	0.065	0.115	0.180	0.259	0.353	0.461	0.584	0.721								
			C	3409	2273	1705	1364	1136	974	852	758	682							
			D	0.023	0.052	0.092	0.144	0.207	0.282	0.369	0.467	0.576	66	72					
1 1/2 X 3/16	U	68	9818	4364	2455	1571	1091	802	614	485	393	325	273						
		D	0.024	0.054	0.096	0.150	0.216	0.294	0.384	0.486	0.600	0.727	0.865						
			C	4909	3273	2455	1964	1636	1403	1227	1091	982	893	818					
			D	0.019	0.043	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581	0.691	78				
1 3/4 X 3/16	U	76	13364	5940	3341	2138	1485	1091	835	660	535	442	371	316					
		D	0.021	0.046	0.082	0.129	0.185	0.252	0.329	0.417	0.515	0.623	0.740	0.868					
			C	6682	4455	3341	2673	2227	1909	1671	1485	1336	1215	1114	1028				
			D	0.016	0.037	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.593	0.695	84			
2 X 3/16	U	84	17454	7758	4364	2793	1939	1425	1091	862	698	577	485	413	356				
		D	0.018	0.041	0.072	0.113	0.162	0.221	0.288	0.365	0.450	0.544	0.648	0.760	0.881				
			C	8727	5818	4364	3491	2909	2493	2182	1939	1745	1587	1455	1343	1247			
			D	0.014	0.032	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.706	90	96	
2 1/4 X 3/16	U	92	22091	9818	5523	3535	2455	1803	1381	1091	884	730	614	523	451	393	345		
		D	0.016	0.036	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.676	0.784	0.901	1.024		
			C	11046	7364	5523	4418	3682	3156	2761	2455	2209	2008	1841	1699	1578	1473	1381	
			D	0.013	0.029	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.720	0.819	102
2 1/2 X 3/16	U	100	27273	12121	6818	4364	3030	2226	1705	1347	1091	902	758	646	557	485	426	377	
		D	0.014	0.032	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.706	0.810	0.921	1.039	
			C	13636	9091	6818	5455	4545	3896	3409	3030	2727	2479	2273	2098	1948	1818	1705	1604
			D	0.012	0.026	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.564	0.648	0.737	0.832

**Material: Extruded Aluminum Alloy 6063-T6 per ASTM B221**

F<sub>s</sub> = 12,000 psi

E = 10,000,000 psi

Bearing bars spaced 11/16 inches on center  
# of bearing bars per foot of grating = 17.4545

**Aluminum Safe Load Table**

U = Uniform load in pounds per square foot  
D = Deflection in inches  
C = Concentrated load at mid span in pounds per foot of width

No. of Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
CM4, CMF4, SCM4, SCMF4	7/8	1 9/16	2 1/4	2 15/16	3 5/8	4 5/16	5	5 11/16	6 3/8	7 1/16	7 3/4	8 7/16	9 1/8	9 13/16	10 1/2	11 3/16	11 7/8	12 9/16
ICM4, ICMF4	15/16	1 5/8	2 5/16	3	3 11/16	4 3/8	5 1/16	5 3/4	6 7/16	7 1/8	7 13/16	8 1/2	9 3/16	9 7/8	10 9/16	11 1/4	11 15/16	12 5/8
No. of Bars	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
CM4, CMF4, SCM4, SCMF4	13 1/4	13 15/16	14 5/8	15 5/16	16	16 11/16	17 3/8	18 1/16	18 3/4	19 7/16	20 1/8	20 13/16	21 1/2	22 3/16	22 7/8	23 9/16	24 1/4	24 15/16
ICM4, ICMF4	13 5/16	14	14 11/16	15 3/8	16 1/16	16 3/4	17 7/16	18 1/8	18 13/16	19 1/2	20 3/16	20 7/8	21 9/16	22 1/4	22 15/16	23 5/8	24 5/16	25
No. of Bars	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		
CM4, CMF4, SCM4, SCMF4	25 5/8	26 5/16	27	27 11/16	28 3/8	29 1/16	29 3/4	30 1/16	31 1/8	31 13/16	32 1/2	33 3/16	33 7/8	34 9/16	35 1/4	35 15/16		
ICM4, ICMF4	25 11/16	26 3/8	27 1/16	27 3/4	28 7/16	29 1/8	29 13/16	30 1/2	31 3/16	31 7/8	32 9/16	33 1/4	33 15/16	34 5/8	35 5/16	36		