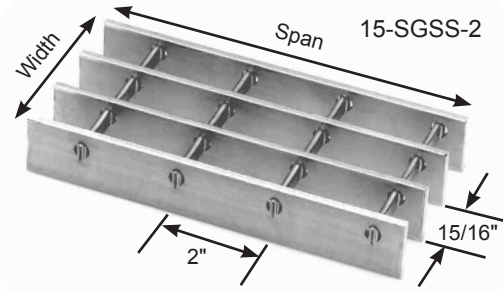
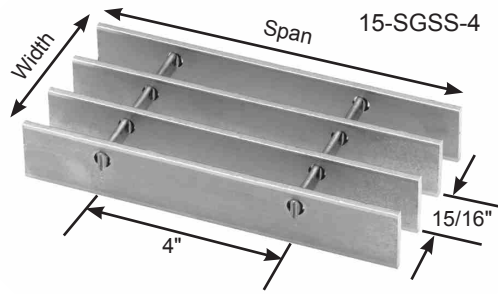


15 SPACE



Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ³ Ix*, in ⁴	ClearSpan																								
				2'- 0"	2'- 6"	3'- 0"	3'- 6"	4'- 0"	4'- 6"	5'- 0"	5'- 6"	6'- 0"	6'- 6"	7'- 0"	8'- 0"													
3/4 x 3/16	48	6.99	0.225	U	750	480	333	245	188	148	U - Safe uniform load in pounds /sq.ft. C - Safe concentrated load in pounds /ft. grating width D - Deflection in inches Loads and deflections are theoretical and based on a unit stress of 20,000 psi.																	
				D	0.114	0.179	0.257	0.350	0.458	0.578																		
			0.084	C	750	600	500	429	375	333																		
				D	0.091	0.143	0.206	0.280	0.366	0.462																		
1 x 3/16	60	8.95	0.400	U	1333	853	593	435	333	263	213	176	<table border="1"> <thead> <tr> <th colspan="3">% Open Area*</th> </tr> <tr> <th>Bars</th> <th>1/8"</th> <th>3/16"</th> </tr> </thead> <tbody> <tr> <td>4" cc</td> <td>N/A</td> <td>74%</td> </tr> <tr> <td>2" cc</td> <td>N/A</td> <td>68%</td> </tr> </tbody> </table>				% Open Area*			Bars	1/8"	3/16"	4" cc	N/A	74%	2" cc	N/A	68%
				% Open Area*																								
			Bars	1/8"	3/16"																							
			4" cc	N/A	74%																							
2" cc	N/A	68%																										
D	0.086	0.134	0.193	0.262	0.343	0.433	0.535	0.647																				
0.200	C	1333	1067	889	762	667	593	533	485																			
	D	0.069	0.107	0.154	0.210	0.274	0.347	0.428	0.519																			
1-1/4 x 3/16	71	11.03	0.625	U	2083	1333	926	680	521	412	333	275	231	<table border="1"> <thead> <tr> <th colspan="3">% Open Area*</th> </tr> <tr> <th>Bars</th> <th>1/8"</th> <th>3/16"</th> </tr> </thead> <tbody> <tr> <td>4" cc</td> <td>N/A</td> <td>74%</td> </tr> <tr> <td>2" cc</td> <td>N/A</td> <td>68%</td> </tr> </tbody> </table>		% Open Area*			Bars	1/8"	3/16"	4" cc	N/A	74%	2" cc	N/A	68%	
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			4" cc	N/A	74%																							
2" cc	N/A	68%																										
D	0.069	0.107	0.154	0.210	0.274	0.348	0.428	0.518	0.616																			
0.391	C	2083	1667	1389	1190	1042	926	833	758	694																		
	D	0.055	0.086	0.123	0.168	0.219	0.278	0.343	0.415	0.493																		
1-1/2 x 3/16	81	13.12	0.900	U	3000	1920	1333	980	750	593	480	397	333	284	245													
				D	0.057	0.089	0.129	0.175	0.229	0.289	0.357	0.432	0.514	0.604	0.700													
			0.675	C	3000	2400	2000	1714	1500	1333	1200	1091	1000	923	857													
				D	0.046	0.071	0.103	0.140	0.183	0.231	0.286	0.346	0.411	0.483	0.560													
1-3/4 x 3/16	91	14.67	1.225	U	4083	2613	1815	1333	1021	807	653	540	454	387	333	255												
				D	0.049	0.077	0.110	0.150	0.196	0.248	0.306	0.370	0.441	0.518	0.599	0.783												
			1.072	C	4083	3267	2722	2333	2042	1815	1633	1485	1361	1256	1167	1021												
				D	0.039	0.061	0.088	0.120	0.157	0.198	0.245	0.296	0.353	0.414	0.480	0.627												
2 x 3/16	101	17.29	1.600	U	5333	3413	2370	1741	1333	1053	853	705	593	505	435	333												
				D	0.043	0.067	0.096	0.131	0.171	0.217	0.268	0.324	0.386	0.453	0.525	0.685												
			1.600	C	5333	4267	3556	3048	2667	2370	2133	1939	1778	1641	1524	1333												
				D	0.034	0.054	0.077	0.105	0.137	0.174	0.214	0.259	0.309	0.362	0.420	0.548												
2-1/4 x 3/16	110	19.47	2.025	U	6750	4320	3000	2204	1688	1333	1080	893	750	639	551	422												
				D	0.038	0.060	0.086	0.117	0.152	0.193	0.238	0.288	0.343	0.402	0.467	0.610												
			2.278	C	6750	5400	4500	3857	3375	3000	2700	2455	2250	2077	1929	1688												
				D	0.030	0.048	0.069	0.093	0.122	0.154	0.190	0.231	0.274	0.322	0.373	0.488												
2-1/2 x 3/16	119	21.48	2.500	U	8333	5333	3704	2721	2083	1646	1333	1102	926	789	680	521												
				D	0.034	0.054	0.077	0.105	0.137	0.174	0.214	0.259	0.309	0.362	0.420	0.549												
			3.125	C	8333	6667	5556	4762	4167	3704	3333	3030	2778	2564	2381	2083												
				D	0.027	0.043	0.062	0.084	0.110	0.139	0.171	0.207	0.247	0.290	0.336	0.439												

*Based on 12.8 bars/ft. of grating width. Bearing bars 15/16" c.c. Add .6 lbs./sq. ft. for 15-SGSS-2. 1/8" bearing bars available by inquiry. **Note:** Grating for spans to the left of the heavy line have a deflection less than 1/4" for uniform loads of 100 lbs./sq. ft. This is the maximum deflection to afford pedestrian comfort and can be exceeded for other types of load at the discretion of the engineer. The actual Ped (pedestrian) Span under this condition is shown above for each size of grating. When serrated grating is specified, the depth of grating required for a specific load will be 1/4" greater than that shown in these tables. 3/4" x 3/16" serrated grating is not available.

Panel Width Chart (in.) - 15-SGSS-4 & 15-SGSS-2															
Dimensions Are Out-to-Out of Bearing Bars**															
No. of Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3/16" Bars	1-1/8	2-1/16	3	3-15/16	4-7/8	5-13/16	6-3/4	7-11/16	8-5/8	9-9/16	10-1/2	11-7/16	12-3/8	13-5/16	14-1/4
No. of Bars	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
3/16" Bars	15-3/16	16-1/8	17-1/16	18	18-15/16	19-7/8	20-13/16	21-3/4	22-11/16	23-5/8	24-9/16	25-1/2	26-7/16	27-3/8	28-5/16
No. of Bars	32	33	34	35	36	37	38	39							
3/16" Bars	29-1/4	30-3/16	31-1/8	32-1/16	33	33-15/16	34-7/8	35-13/16							

**Add 1/4" for extended cross bars. Deduct 1/16" for 1/8" bearing bars. Standard panel widths indicated in red.