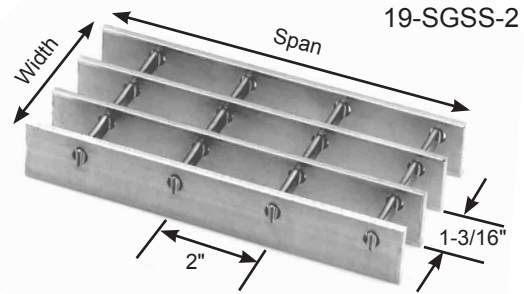
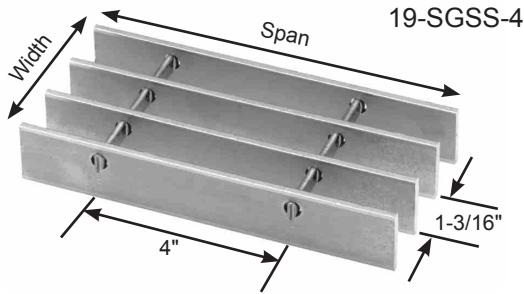


19 SPACE



Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ² lx*, 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	46	5.64	0.178	U	592	379	263	193	148									
				D	0.114	0.179	0.257	0.349	0.457									
			0.067	C	592	474	395	338	296									
1 x 1/8	51	4.99	0.211	U	702	449	312	229	175	139								
				D	0.086	0.134	0.193	0.262	0.342	0.435								
			0.105	C	702	561	468	401	351	312								
1 x 3/16	56	7.19	0.316	U	1053	674	468	344	263	208	168							
				D	0.086	0.134	0.193	0.263	0.343	0.434	0.534							
			0.158	C	1053	842	702	601	526	468	421							
1-1/4 x 1/8	60	6.09	0.329	U	1096	702	487	358	274	217	175	145						
				D	0.069	0.107	0.154	0.210	0.274	0.348	0.428	0.519						
			0.206	C	1096	877	731	627	548	487	439	399						
1-1/4 x 3/16	67	8.84	0.493	U	1645	1053	731	537	411	325	263	217	183					
				D	0.069	0.107	0.154	0.210	0.274	0.347	0.428	0.517	0.618					
			0.308	C	1645	1316	1096	940	822	731	658	598	548					
1-1/2 x 1/8	69	7.19	0.474	U	1579	1011	702	516	395	312	253	209	175					
				D	0.057	0.089	0.129	0.175	0.229	0.289	0.358	0.433	0.513					
			0.355	C	1579	1263	1053	902	789	702	632	574	526					
1-1/2 x 3/16	77	10.48	0.711	U	2368	1516	1053	773	592	468	379	313	263	224				
				D	0.057	0.089	0.129	0.175	0.229	0.289	0.357	0.432	0.514	0.603				
			0.533	C	2368	1895	1579	1353	1184	1053	947	861	789	729				
1-3/4 x 3/16	86	11.71	0.967	U	3224	2063	1433	1053	806	637	516	426	358	305	263	201		
				D	0.049	0.077	0.110	0.150	0.196	0.248	0.306	0.370	0.441	0.517	0.600	0.782		
			0.846	C	3224	2579	2149	1842	1612	1433	1289	1172	1075	992	921	806		
2 x 3/16	95	13.78	1.263	U	4210	2695	1871	1375	1053	832	674	557	468	399	344	263		
				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		
			1.263	C	4210	3368	2807	2406	2105	1871	1684	1531	1403	1296	1203	1053		
2-1/4 x 3/16	104	15.49	1.599	U	5329	3410	2368	1740	1332	1053	853	705	592	505	435	333		
				D	0.038	0.060	0.086	0.117	0.152	0.193	0.238	0.288	0.343	0.403	0.467	0.609		
			1.798	C	5329	4263	3553	3045	2664	2368	2132	1938	1776	1640	1523	1332		
2-1/2 x 3/16	112	17.08	1.974	U	6579	4210	2924	2148	1645	1300	1053	870	731	623	537	411		
				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		
			2.467	C	6579	5263	4386	3759	3289	2924	2632	2392	2193	2024	1880	1645		
				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		

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.

% Open Area*		
Bars	1/8"	3/16"
4" cc	83%	78%
2" cc	76%	72%

*Based on 10,105 bars/ft. of grating width. Bearing bars 1-3/16" c.c. Add 6 lbs./sq. ft. for 19-SGSS-2. 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.) - 19-SGSS-4 & 19-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	1-3/8	2-9/16	3-3/4	4-15/16	6-1/8	7-5/16	8-1/2	9-11/16	10-7/8	12-1/16	13-1/4	14-7/16	15-5/8	16-13/16	18
No. of Bars	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
3/16" Bars	19-3/16	20-3/8	21-9/16	22-3/4	23-15/16	25-1/8	26-5/16	27-1/2	28-11/16	29-7/8	31-1/16	32-1/4	33-7/16	34-5/8	35-13/16

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