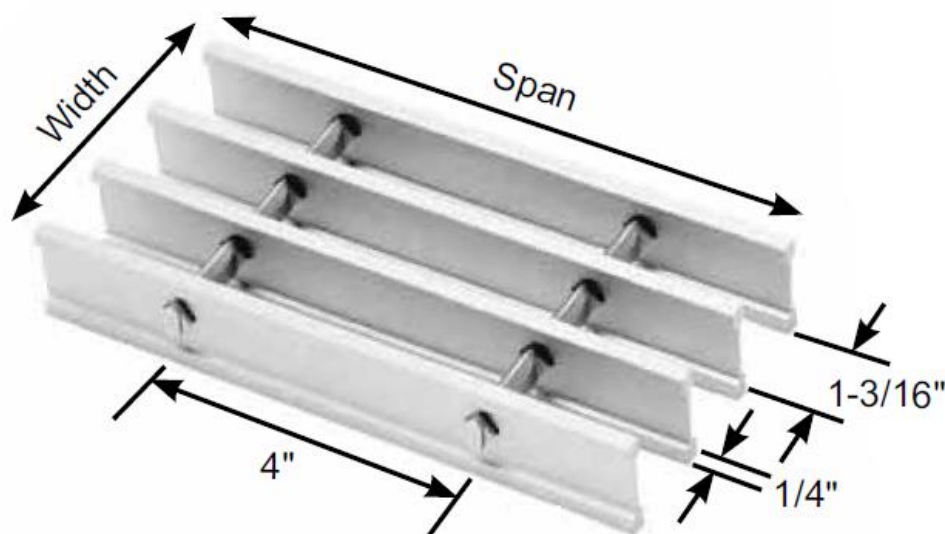


Swaged Aluminum I-Bar Grating

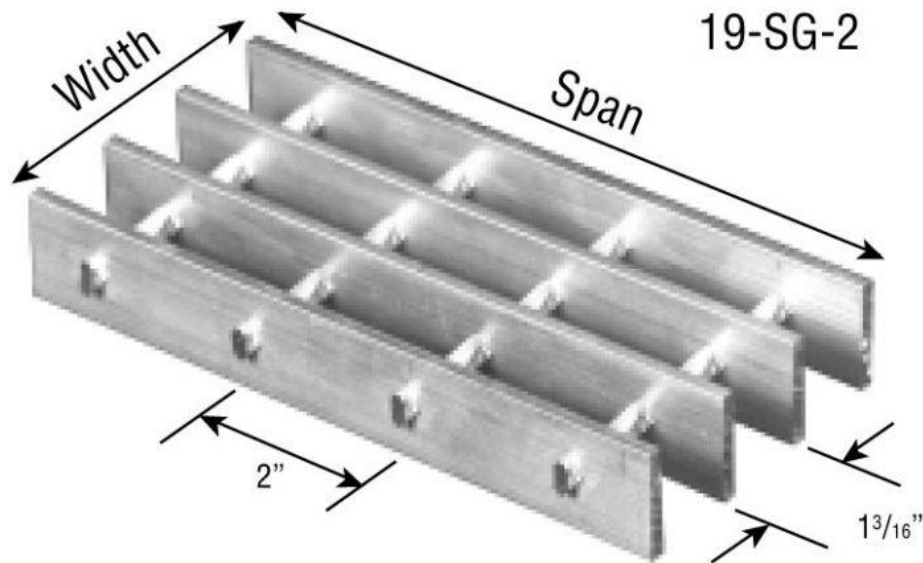
19-SGI-4 Aluminum I-Bar Grating



19SGI4 Light Duty Aluminum Swaged I-Bar Grating is used for pedestrian traffic only. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 19SGI4 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and a thickness of 1/4" on top and bottom and an 1/8" flange. 19SGI4 is spaced 1-3/16" c.c. for the bearing bars and 4" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. I-Bar surface comes in a striated finish. Aluminum comes in a mill finish.

Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ² Ix*, in ⁴	Clear Span														
				2'- 0"	2'- 6"	3'- 0"	3'- 6"	4'- 0"	4'- 6"	5'- 0"	5'- 6"	6'- 0"	6'- 6"	7'- 0"	8'- 0"			
1 x 1/8	39	1.71	0.211	U	421	269	187	137									U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches	
				D	0.144	0.225	0.324	0.439										
				C	421	337	281	241										
				D	0.115	0.180	0.259	0.353										
1 x 3/16	44	2.46	0.316	U	632	404	281	206	158									Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.
				D	0.144	0.225	0.324	0.441	0.576									
				C	632	505	421	361	316									
				D	0.115	0.180	0.259	0.353	0.461									
I-Bar	1.99	0.158	0.329	U	658	421	292	215	164									
				D	0.115	0.180	0.259	0.353	0.459									
				C	658	526	439	376	329									
				D	0.092	0.144	0.208	0.282	0.369									
1-1/4 x 1/8	47	2.08	0.206	U	987	632	439	322	247	195								
				D	0.115	0.180	0.259	0.353	0.461	0.583								
				C	987	789	658	564	493	439								
				D	0.092	0.144	0.207	0.282	0.368	0.467								
1-1/4 x 3/16	52	3.01	0.493	U	947	606	421	309	237	187								
				D	0.096	0.150	0.216	0.294	0.384	0.486								
				C	947	758	632	541	474	421								
				D	0.077	0.120	0.173	0.235	0.307	0.389								
I-Bar	2.34	0.308	0.474	U	1421	909	632	464	355	281	227							
				D	0.096	0.150	0.216	0.294	0.384	0.487	0.599							
				C	1421	1137	947	812	711	632	568							
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480							
1-1/2 x 1/8	53	2.46	0.355	U	1934	1238	860	632	484	382	309	256	215					
				D	0.082	0.129	0.185	0.252	0.329	0.417	0.514	0.623	0.741					
				C	1934	1547	1289	1105	967	860	774	703	645					
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.412	0.498	0.593					
1-3/4 x 3/16	66	4.12	0.967	U	2526	1617	1123	825	632	499	404	334	281	239				
				D	0.072	0.113	0.162	0.221	0.288	0.364	0.450	0.544	0.649	0.760				
				C	2526	2021	1684	1444	1263	1123	1011	919	842	777				
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608				
I-Bar	3.06	0.846	1.263	U	3197	2046	1421	1044	799	632	512	423	355	303	261			
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.677	0.784			
				C	3197	2558	2132	1827	1599	1421	1279	1163	1066	984	914			
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.628			
2 x 3/16	73	4.68	1.263	U	3947	2526	1754	1289	987	780	632	522	439	374	322	247		
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.705	0.823		
				C	3947	3158	2632	2256	1974	1754	1579	1435	1316	1215	1128	987		
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.565	0.637		
I-Bar	3.43	1.263	1.599	U	3197	2046	1421	1044	799	632	512	423	355	303	261			
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.677	0.784			
				C	3197	2558	2132	1827	1599	1421	1279	1163	1066	984	914			
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.628			
2-1/4 x 3/16	80	5.24	1.798	U	3947	2526	1754	1289	987	780	632	522	439	374	322	247		
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.705	0.823		
				C	3947	3158	2632	2256	1974	1754	1579	1435	1316	1215	1128	987		
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.565	0.637		
I-Bar	3.75	1.798	1.974	U	3197	2046	1421	1044	799	632	512	423	355	303	261			
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.677	0.784			
				C	3197	2558	2132	1827	1599	1421	1279	1163	1066	984	914			
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.628			
2-1/2 x 3/16	87	5.79	2.467	U	3947	2526	1754	1289	987	780	632	522	439	374	322	247		
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.705	0.823		
				C	3947	3158	2632	2256	1974	1754	1579	1435	1316	1215	1128	987		
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.565	0.637		
I-Bar	4.15	2.467	1.974	U	3197	2046	1421	1044	799	632	512	423	355	303	261			
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.677	0.784			
				C	3197	2558	2132	1827	1599	1421	1279	1163	1066	984	914			
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.628			

19-SG-2 Swaged Aluminum Rectangular Bar Grating



19SG2 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 19SG2 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thicknesses of 3/16" and 1/8". 19SG2 is spaced 1-3/16" c.c. for the bearing bars and 2" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish. Note: 2" cross bar spacing is normally a non-stock item and increases price/lead time. This product also carries the same load capacity of a 4" cross bar spacing but does provide a tighter opening.

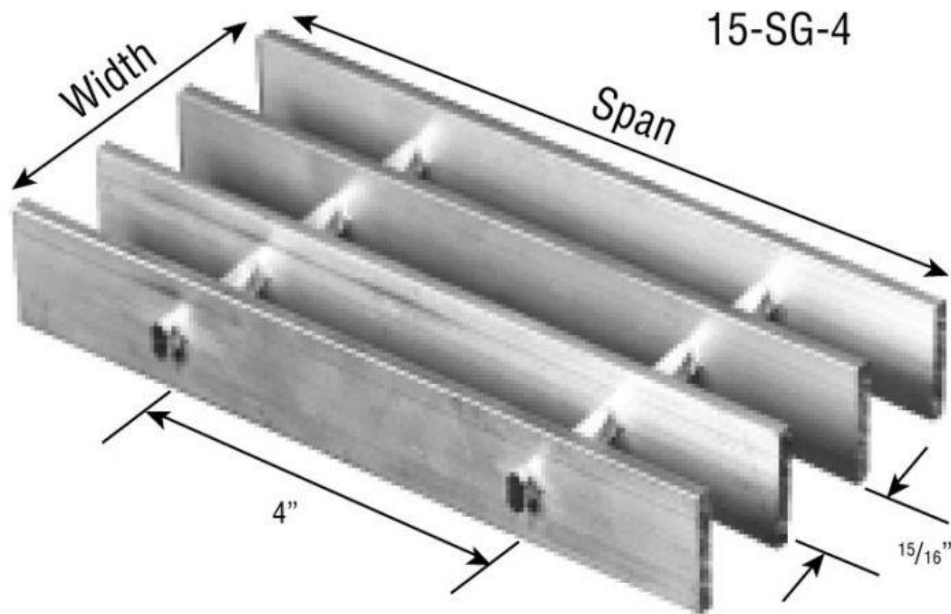
Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ⁴	Clear Span													
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"		
1 x 1/8	39	1.71	0.211	U	421	269	187	137									
				D	0.144	0.225	0.324	0.439									
				C	421	337	281	241									
				D	0.115	0.180	0.259	0.353									

U - Safe uniform load in pounds/sq. ft.
C - Safe concentrated load in pounds/ft. grating width
D - Deflection in inches

Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.

% Open Area*			
Bars	1/8"	3/16"	
4" cc	85%	80%	
2" cc	81%	77%	

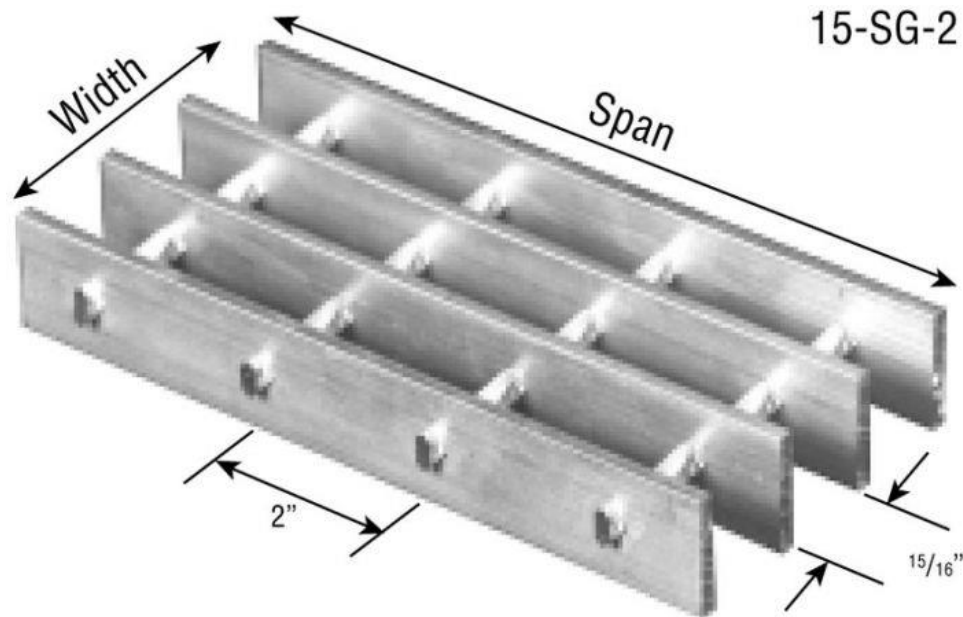
15-SG-4 Swaged Aluminum Rectangular Bar Grating



15SG4 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 15SG4 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thickness of 3/16". 15SG4 is spaced 15/16" c.c. for the bearing bars and 4" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish.

Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ² Ix*, in ⁴	Clear Span													
				2' - 0"	2' - 6"	3' - 0"	3' - 6"	4' - 0"	4' - 6"	5' - 0"	5' - 6"	6' - 0"	6' - 6"	7' - 0"	8' - 0"		
1 × 3/16	46	3.06	0.400	U	800	512	356	261	200	U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches							
				D	0.144	0.225	0.324	0.441	0.576								
			0.200	C	800	640	533	457	400								
				D	0.115	0.180	0.259	0.353	0.461								
1 1/4 × 3/16	55	3.75	0.625	U	1250	800	556	408	313	247	200	Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.					
				D	0.115	0.180	0.259	0.353	0.462	0.583	0.720						
			0.391	C	1250	1000	833	714	625	556	500						
				D	0.092	0.144	0.207	0.282	0.369	0.467	0.576						
1 1/2 × 3/16	63	4.45	0.900	U	1800	1152	800	588	450	356	288	238	<div>% Open Area*</div> <div>4" cc 76%</div> <div>2" cc 73%</div>				
				D	0.096	0.150	0.216	0.294	0.384	0.487	0.600	0.726					
			0.675	C	1800	1440	1200	1029	900	800	720	655					
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581					
1 3/4 × 3/16	70	5.16	1.225	U	2450	1568	1089	800	613	484	392	324	272				
				D	0.082	0.129	0.185	0.252	0.329	0.417	0.514	0.622	0.740				
			1.072	C	2450	1960	1633	1400	1225	1089	980	891	817				
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.593				
2 × 3/16	78	5.87	1.600	U	3200	2048	1422	1045	800	632	512	423	356	303	261		
				D	0.072	0.113	0.162	0.221	0.288	0.364	0.450	0.544	0.649	0.761	0.881		
			1.600	C	3200	2560	2133	1829	1600	1422	1280	1164	1067	985	914		
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.705		
2 1/4 × 3/16	85	6.57	2.025	U	4050	2592	1800	1322	1013	800	648	536	450	383	331	253	
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.675	0.785	1.023	
			2.278	C	4050	3240	2700	2314	2025	1800	1620	1473	1350	1246	1157	1013	
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.820	
2 1/2 × 3/16	92	7.27	2.500	U	5000	3200	2222	1633	1250	988	800	661	556	473	408	313	
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.435	0.519	0.608	0.705	0.923	
			3.125	C	5000	4000	3333	2857	2500	2222	2000	1818	1667	1538	1429	1250	
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.565	0.737	

15-SG-2 Swaged Aluminum Rectangular Bar Grating



15SG2 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 15SG2 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thickness of 3/16". 15SG2 is spaced 15/16" c.c. for the bearing bars and 2" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish. Note: 2" cross bar spacing is normally a non-stock item and increases price/lead time. This product also carries the same load capacity of a 4" cross bar spacing but does provide a tighter opening.

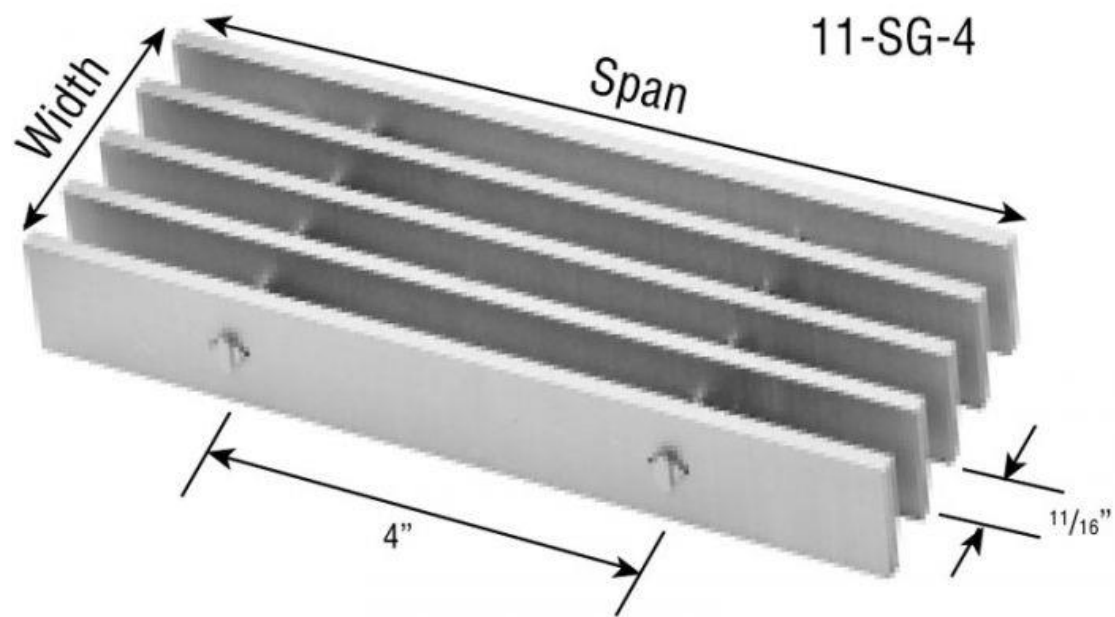
Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ² Ix*, in ⁴	Clear Span												
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	
1 × 3/16	46	3.06	0.400	U	800	512	356	261	200	U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches						
				D	0.144	0.225	0.324	0.441	0.576							
			0.200	C	800	640	533	457	400							
				D	0.115	0.180	0.259	0.353	0.461							
1 1/4 × 3/16	55	3.75	0.625	U	1250	800	556	408	313	247	200	Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.				
				D	0.115	0.180	0.259	0.353	0.462	0.583	0.720					
			0.391	C	1250	1000	833	714	625	556	500					
				D	0.092	0.144	0.207	0.282	0.369	0.467	0.576					
1 1/2 × 3/16	63	4.45	0.900	U	1800	1152	800	588	450	356	288	238	<div>% Open Area*</div> <div>4" cc 76%</div> <div>2" cc 73%</div>			
				D	0.096	0.150	0.216	0.294	0.384	0.487	0.600	0.726				
			0.675	C	1800	1440	1200	1029	900	800	720	655				
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581				
1 3/4 × 3/16	70	5.16	1.225	U	2450	1568	1089	800	613	484	392	324	272			
				D	0.082	0.129	0.185	0.252	0.329	0.417	0.514	0.622	0.740			
			1.072	C	2450	1960	1633	1400	1225	1089	980	891	817			
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.593			
2 × 3/16	78	5.87	1.600	U	3200	2048	1422	1045	800	632	512	423	356	303	261	
				D	0.072	0.113	0.162	0.221	0.288	0.364	0.450	0.544	0.649	0.761	0.881	
			1.600	C	3200	2560	2133	1829	1600	1422	1280	1164	1067	985	914	
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.705	
2 1/4 × 3/16	85	6.57	2.025	U	4050	2592	1800	1322	1013	800	648	536	450	383	331	253
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.675	0.785	1.023
			2.278	C	4050	3240	2700	2314	2025	1800	1620	1473	1350	1246	1157	1013
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.820
2 1/2 × 3/16	92	7.27	2.500	U	5000	3200	2222	1633	1250	988	800	661	556	473	408	313
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.435	0.519	0.608	0.705	0.923
			3.125	C	5000	4000	3333	2857	2500	2222	2000	1818	1667	1538	1429	1250
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.565	0.737

U - Safe uniform load in pounds/sq. ft.
C - Safe concentrated load in pounds/ft. grating width
D - Deflection in inches

Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.

% Open Area*	
4" cc	76%
2" cc	73%

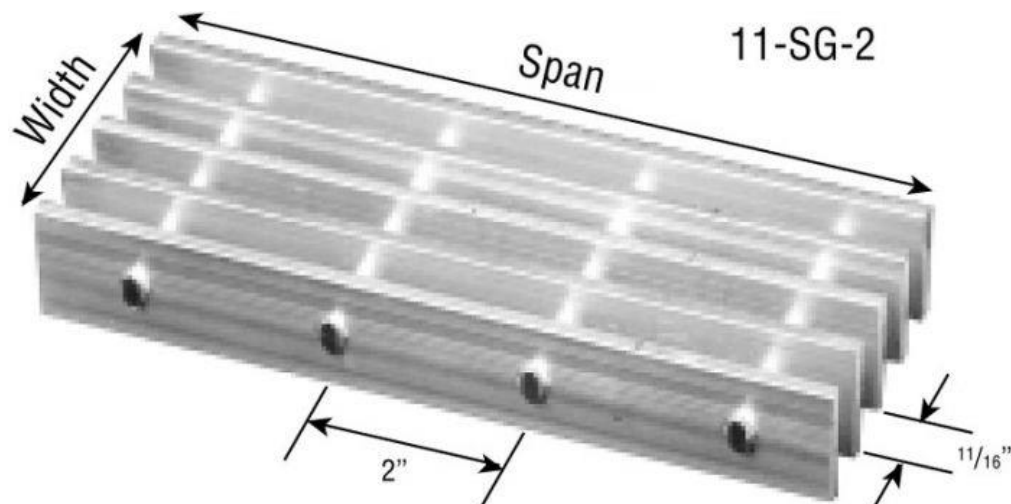
11-SG-4 Swaged Aluminum Rectangular Bar Grating



11SG4 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only and is ADA approved. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 11SG4 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thickness of 3/16". 11SG4 is spaced 11/16" c.c. for the bearing bars and 4" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish.

Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ² Ix*, in ⁴	Clear Span												
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	
1 × ³ / ₁₆	50	4.09	0.545	U	1091	698	485	356	273	215	U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches					
				D	0.144	0.225	0.324	0.441	0.577	0.727						
			0.273	C	1091	873	727	623	545	485						
				D	0.115	0.180	0.259	0.353	0.460	0.583						
1 ¹ / ₄ × ³ / ₁₆	59	5.03	0.852	U	1705	1091	758	557	426	337	273	Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.				
				D	0.115	0.180	0.259	0.353	0.461	0.584	0.721					
			0.533	C	1705	1364	1136	974	852	758	682					
				D	0.092	0.144	0.207	0.282	0.369	0.467	0.576					
1 ¹ / ₂ × ³ / ₁₆	68	5.99	1.227	U	2455	1571	1091	802	614	485	393	325	273	<div>% Open Area*</div> <div>4" cc 69%</div> <div>2" cc 66%</div>		
				D	0.096	0.150	0.216	0.294	0.384	0.486	0.600	0.727	0.865			
			0.920	C	2455	1964	1636	1403	1227	1091	982	893	818			
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581	0.691			
1 ³ / ₄ × ³ / ₁₆	76	6.96	1.670	U	3341	2138	1485	1091	835	660	535	442	371	316		
				D	0.082	0.129	0.185	0.252	0.329	0.417	0.515	0.623	0.740	0.868		
			1.462	C	3341	2673	2227	1909	1670	1485	1336	1215	1114	1028		
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.593	0.695		
2 × ³ / ₁₆	84	7.92	2.182	U	4364	2793	1939	1425	1091	862	698	577	485	413	356	273
				D	0.072	0.113	0.162	0.221	0.288	0.365	0.450	0.544	0.648	0.760	0.881	1.153
			2.182	C	4364	3491	2909	2494	2182	1939	1746	1587	1455	1343	1247	1091
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.706	0.922
2 ¹ / ₄ × ³ / ₁₆	92	8.88	2.761	U	5523	3535	2455	1803	1381	1091	884	730	614	523	451	345
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.676	0.784	1.023
			3.107	C	5523	4418	3682	3156	2761	2455	2209	2008	1841	1699	1578	1381
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.819
2 ¹ / ₂ × ³ / ₁₆	100	9.84	3.409	U	6818	4364	3030	2226	1705	1347	1091	902	758	646	557	426
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.706	0.921
			4.261	C	6818	5455	4546	3896	3409	3030	2727	2479	2273	2098	1948	1705
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.564	0.737

11-SG-2 Swaged Aluminum Rectangular Bar Grating



11SG2 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only and is ADA approved. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 11SG2 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thickness of 3/16". 11SG2 is spaced 11/16" c.c. for the bearing bars and 2" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish. Note: 2" cross bar spacing is normally a non-stock item and increases price/lead time. This product also carries the same load capacity of a 4" cross bar spacing but does provide a tighter opening.

Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ² Ix*, in ⁴	Clear Span												
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	
1 × 3/16	50	4.09	0.545	U	1091	698	485	356	273	215	U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches					
				D	0.144	0.225	0.324	0.441	0.577	0.727						
			0.273	C	1091	873	727	623	545	485						
				D	0.115	0.180	0.259	0.353	0.460	0.583						
1 1/4 × 3/16	59	5.03	0.852	U	1705	1091	758	557	426	337	273	Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.				
				D	0.115	0.180	0.259	0.353	0.461	0.584	0.721					
			0.533	C	1705	1364	1136	974	852	758	682					
				D	0.092	0.144	0.207	0.282	0.369	0.467	0.576					
1 1/2 × 3/16	68	5.99	1.227	U	2455	1571	1091	802	614	485	393	325	273	% Open Area* 4" cc 69% 2" cc 66%		
				D	0.096	0.150	0.216	0.294	0.384	0.486	0.600	0.727	0.865			
			0.920	C	2455	1964	1636	1403	1227	1091	982	893	818			
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581	0.691			
1 3/4 × 3/16	76	6.96	1.670	U	3341	2138	1485	1091	835	660	535	442	371	316		
				D	0.082	0.129	0.185	0.252	0.329	0.417	0.515	0.623	0.740	0.868		
			1.462	C	3341	2673	2227	1909	1670	1485	1336	1215	1114	1028		
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.593	0.695		
2 × 3/16	84	7.92	2.182	U	4364	2793	1939	1425	1091	862	698	577	485	413	356	273
				D	0.072	0.113	0.162	0.221	0.288	0.365	0.450	0.544	0.648	0.760	0.881	1.153
			2.182	C	4364	3491	2909	2494	2182	1939	1746	1587	1455	1343	1247	1091
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.706	0.922
2 1/4 × 3/16	92	8.88	2.761	U	5523	3535	2455	1803	1381	1091	884	730	614	523	451	345
				D	0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.676	0.784	1.023
			3.107	C	5523	4418	3682	3156	2761	2455	2209	2008	1841	1699	1578	1381
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.819
2 1/2 × 3/16	100	9.84	3.409	U	6818	4364	3030	2226	1705	1347	1091	902	758	646	557	426
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.519	0.609	0.706	0.921
			4.261	C	6818	5455	4546	3896	3409	3030	2727	2479	2273	2098	1948	1705
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.564	0.737

7-SG-4 Swaged Aluminum Rectangular Bar Grating



7SG4 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only and is ADA approved. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 7SG4 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thickness of 3/16". 7SG4 is spaced 7/16" c.c. for the bearing bars and 4" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish.

Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx", 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"				
1 x 3/16	56	6.30	0.857	U	1714	1097	762	560	429	339	274	U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches							
D				0.144	0.225	0.324	0.441	0.577	0.730	0.899									
I-Bar		4.79	0.429	C	1714	1371	1143	980	857	762	686								
				D	0.115	0.180	0.259	0.353	0.461	0.583	0.720								
1-1/4 x 3/16	66	7.78	1.339	U	2679	1714	1190	875	670	529	429	354	298	Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.					
D				0.115	0.180	0.259	0.353	0.461	0.583	0.721	0.871	1.038							
I-Bar		5.75	0.837	C	2679	2143	1786	1531	1339	1190	1071	974	893						
				D	0.092	0.144	0.207	0.282	0.369	0.466	0.576	0.697	0.830						
1-1/2 x 3/16	76	9.28	1.929	U	3857	2469	1714	1259	964	762	617	510	429	365					
D				0.096	0.150	0.216	0.294	0.384	0.486	0.600	0.726	0.865	1.014						
I-Bar		6.74	1.446	C	3857	3086	2571	2204	1929	1714	1543	1403	1286	1187					
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581	0.691	0.811					
1-3/4 x 3/16	85	10.80	2.625	U	5250	3360	2333	1714	1313	1037	840	694	583	497	429	328			
D				0.082	0.129	0.185	0.252	0.329	0.417	0.514	0.622	0.740	0.869	1.009	1.316				
I-Bar		7.70	2.297	C	5250	4200	3500	3000	2625	2333	2100	1909	1750	1615	1500	1313			
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.592	0.695	0.806	1.054			
2 x 3/16	94	12.32	3.429	U	6857	4389	3048	2239	1714	1355	1097	907	762	649	560	429			
D				0.072	0.113	0.162	0.220	0.288	0.365	0.450	0.545	0.648	0.760	0.882	1.153				
I-Bar		8.71	3.429	C	6857	5486	4572	3918	3429	3048	2743	2494	2286	2110	1959	1714			
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608	0.706	0.921			
2-1/4 x 3/16	103	13.83	4.339	U	8679	5554	3857	2834	2170	1714	1389	1148	964	822	708	542			
D				0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.676	0.783	1.023				
I-Bar		9.59	4.882	C	8679	6943	5786	4959	4339	3857	3471	3156	2893	2670	2480	2170			
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.819			
2-1/2 x 3/16	111	15.33	5.357	U	10714	6857	4762	3499	2679	2116	1714	1417	1190	1014	875	670			
D				0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608	0.706	0.922				
I-Bar		10.66	6.697	C	10714	8572	7143	6123	5357	4762	4286	3896	3571	3297	3061	2679			
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.564	0.737			

7-SG-2 Swaged Aluminum Rectangular Bar Grating



7SG2 Light Duty Aluminum Swaged Bar Grating is used for pedestrian traffic only and is ADA approved. Panels are manufactured to 2' and 3' widths, while providing standard lengths up to 24' long. 7SG2 Light Duty Grating is available in bearing bar sizes ranging from 1" to 2 1/2" depths and thickness of 3/16". 7SG2 is spaced 7/16" c.c. for the bearing bars and 2" c.c. for the cross roads. Typical applications include: catwalks, platforms, pedestrian trenches, pedestrian sump pits, stair treads, water and sewage treatment facilities, waste water treatment plants, food processing, and marine environments. Surface options are smooth or serrated. Aluminum comes in a mill finish. Note: 2" cross bar spacing is normally a non-stock item and increases price/lead time. This product also carries the same load capacity of a 4" cross bar spacing but does provide a tighter opening.

Bar Size, Inches	Ped Span, Inches	Wt.* Lbs. Sq. Ft.	Sec. Prop Sx*, in ⁴ 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"				
1 x 3/16	56	6.30	0.857	U	1714	1097	762	560	429	339	274	U - Safe uniform load in pounds/sq. ft. C - Safe concentrated load in pounds/ft. grating width D - Deflection in inches							
D				0.144	0.225	0.324	0.441	0.577	0.730	0.899									
I-Bar		4.79	0.429	C	1714	1371	1143	980	857	762	686								
				D	0.115	0.180	0.259	0.353	0.461	0.583	0.720								
1-1/4 x 3/16	66	7.78	1.339	U	2679	1714	1190	875	670	529	429	354	298	Loads and deflections given in this table are theoretical, and are based on a unit stress of 12,000 psi.					
D				0.115	0.180	0.259	0.353	0.461	0.583	0.721	0.871	1.038							
I-Bar		5.75	0.837	C	2679	2143	1786	1531	1339	1190	1071	974	893						
				D	0.092	0.144	0.207	0.282	0.369	0.466	0.576	0.697	0.830						
1-1/2 x 3/16	76	9.28	1.929	U	3857	2469	1714	1259	964	762	617	510	429	365					
D				0.096	0.150	0.216	0.294	0.384	0.486	0.600	0.726	0.865	1.014						
I-Bar		6.74	1.446	C	3857	3086	2571	2204	1929	1714	1543	1403	1286	1187					
				D	0.077	0.120	0.173	0.235	0.307	0.389	0.480	0.581	0.691	0.811					
1-3/4 x 3/16	85	10.80	2.625	U	5250	3360	2333	1714	1313	1037	840	694	583	497	429	328			
D				0.082	0.129	0.185	0.252	0.329	0.417	0.514	0.622	0.740	0.869	1.009	1.316				
I-Bar		7.70	2.297	C	5250	4200	3500	3000	2625	2333	2100	1909	1750	1615	1500	1313			
				D	0.066	0.103	0.148	0.202	0.263	0.333	0.411	0.498	0.592	0.695	0.806	1.054			
2 x 3/16	94	12.32	3.429	U	6857	4389	3048	2239	1714	1355	1097	907	762	649	560	429			
D				0.072	0.113	0.162	0.220	0.288	0.365	0.450	0.545	0.648	0.760	0.882	1.153				
I-Bar		8.71	3.429	C	6857	5486	4572	3918	3429	3048	2743	2494	2286	2110	1959	1714			
				D	0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608	0.706	0.921			
2-1/4 x 3/16	103	13.83	4.339	U	8679	5554	3857	2834	2170	1714	1389	1148	964	822	708	542			
D				0.064	0.100	0.144	0.196	0.256	0.324	0.400	0.484	0.576	0.676	0.783	1.023				
I-Bar		9.59	4.882	C	8679	6943	5786	4959	4339	3857	3471	3156	2893	2670	2480	2170			
				D	0.051	0.080	0.115	0.157	0.205	0.259	0.320	0.387	0.461	0.541	0.627	0.819			
2-1/2 x 3/16	111	15.33	5.357	U	10714	6857	4762	3499	2679	2116	1714	1417	1190	1014	875	670			
D				0.058	0.090	0.130	0.176	0.230	0.292	0.360	0.436	0.518	0.608	0.706	0.922				
I-Bar		10.66	6.697	C	10714	8572	7143	6123	5357	4762	4286	3896	3571	3297	3061	2679			
				D	0.046	0.072	0.104	0.141	0.184	0.233	0.288	0.348	0.415	0.487	0.564	0.737			