



Who says you have to be a heavyweight ...to be tough?

Ohio Gratings, Inc. • 1-800-321-8888

## Load Table 7 SGLi-4 • 7 SGLi-2

Bar Size (inches)	Ped Span (inches)	Wt. Lbs. (sq. ft.)	Sec.Prop Sx, in <sup>3</sup> - Ix, in <sup>4</sup>		1'-0"	1'-6"	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"	42	3.01	.323	U	2588	1150	647	414	288	211	162	128							
				D	.043	.097	.173	.271	.390	.531	.693	.877							
			.134	C	1294	863	647	518	431	370	323	288							
				D	.035	.078	.139	.217	.312	.425	.555	.702							
1"	51	3.83	.573	U	4584	2037	1146	733	509	374	287	226	180						
				D	.034	.076	.136	.212	.305	.416	.543	.687	.833						
			.304	C	2292	1528	1146	917	764	655	573	509	450						
				D	.027	.061	.109	.170	.244	.332	.434	.550	.666						
1-1/4"	69	4.65	.920	U	7360	3271	1840	1178	818	601	460	363	294	243	204				
				D	.027	.062	.110	.172	.247	.336	.439	.556	.687	.831	.989				
			.603	C	3680	2453	1840	1472	1227	1051	920	818	736	669	613				
				D	.022	.049	.088	.137	.198	.269	.352	.445	.549	.665	.791				
1-1/2"	69	5.47	1.261	U	10088	4484	2522	1614	1121	824	631	498	404	333	280	239			
				D	.023	.052	.092	.144	.207	.282	.369	.467	.576	.697	.830	.974			
			.985	C	5044	3363	2522	2018	1681	1441	1261	1121	1009	917	841	776			
				D	.018	.041	.074	.115	.166	.226	.295	.373	.461	.558	.664	.779			
2"	86	7.33	2.293	U	18344	8153	4586	2935	2038	1497	1147	906	180	606	510	434	374	287	
				D	.017	.039	.070	.109	.157	.214	.279	.354	.441	.528	.629	.738	.856	1.117	
			2.364	C	9172	6115	4586	3669	3057	2621	2293	2038	450	1668	1529	1411	1310	1147	
				D	.014	.031	.056	.087	.126	.171	.223	.283	.350	.423	.503	.590	.684	.894	
2-1/2"	101	9.07	3.589	U	28709	12760	7177	4594	3190	2344	1794	1418	1148	949	797	680	586	449	
				D	.014	.032	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	.899	
			4.597	C	14355	9570	7177	5742	4785	4101	3589	3190	2871	2610	2392	2208	2051	1794	
				D	.011	.025	.045	.070	.101	.138	.180	.228	.281	.340	.405	.475	.551	.719	

### Specify SGLi Series by Ohio Gratings

Load tables based on NAAMM standards for pedestrian loads where U = 100 lbs/sf & D = 1/4"

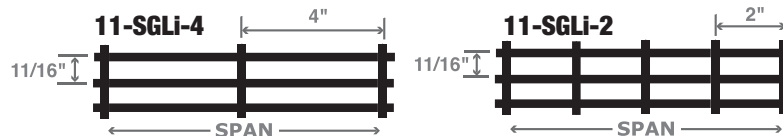


% Open Area	
4" cc	54%
2" cc	51%

## Load Table 11 SGLi-4 • 11 SGLi-2

Bar Size (inches)	Ped Span (inches)	Wt. Lbs. (sq. ft.)	Sec.Prop Sx, in <sup>3</sup> - Ix, in <sup>4</sup>		1'-0"	1'-6"	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"	38	2.06	.206	U	1648	732	412	264	183	135	103								
				D	.043	.098	.173	.271	.390	.531	.694								
			.086	C	824	549	412	330	275	235	206								
				D	.035	.078	.139	.217	.312	.425	.555								
1"	46	2.58	.365	U	2863	1272	716	458	318	234	179	141	115						
				D	.034	.076	.135	.212	.305	.415	.542	.686	.846						
			.194	C	1431	954	716	573	477	409	358	318	286						
				D	.027	.061	.108	.169	.244	.332	.433	.548	.677						
1-1/4"	55	3.11	.585	U	4385	1949	1096	702	487	358	274	217	175	145					
				D	.027	.062	.11	.171	.247	.336	.439	.556	.686	.83					
			.384	C	2192	1462	1096	877	731	626	548	487	438	399					
				D	.022	.049	.088	.137	.198	.269	.351	.444	.549	.664					
1-1/2"	62	3.63	.802	U	6326	2811	1581	1012	703	516	395	312	253	209	176	150			
				D	.023	.052	.092	.144	.207	.282	.369	.466	.576	.697	.829	.973			
			.627	C	3163	2109	1581	1265	1054	904	791	703	633	575	527	487			
				D	.018	.041	.074	.115	.166	.226	.295	.373	.461	.557	.663	.779			
2"	77	4.81	1.459	U	11672	5188	2918	1868	1297	953	730	576	180	386	324	276	238	182	
				D	.017	.039	.070	.109	.157	.214	.279	.353	.441	.528	.628	.737	.855	1.117	
			1.505	C	5836	3891	2918	2334	1945	1667	1459	1297	450	1061	973	898	834	730	
				D	.014	.031	.056	.087	.126	.171	.223	.283	.350	.422	.503	.590	.684	.893	
2-1/2"	91	5.92	2.284	U	18270	8120	4567	2923	2030	1491	1142	902	731	604	507	432	373	285	
				D	.014	.032	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	.899	
			2.925	C	9135	6090	4567	3654	3045	2610	2284	2030	1827	1661	1522	1405	1305	1142	
				D	.011	.025	.045	.070	.101	.138	.180	.228	.281	.340	.405	.475	.551	.719	

**Key:** U = Safe Uniform Load in lbs/sq. ft.  
 C = Safe Concentrated Load in lbs/ft. grating width  
 D = Deflection in inches. Load & Deflections given in this table are theoretical and based on a unit stress of 12,000 psi.

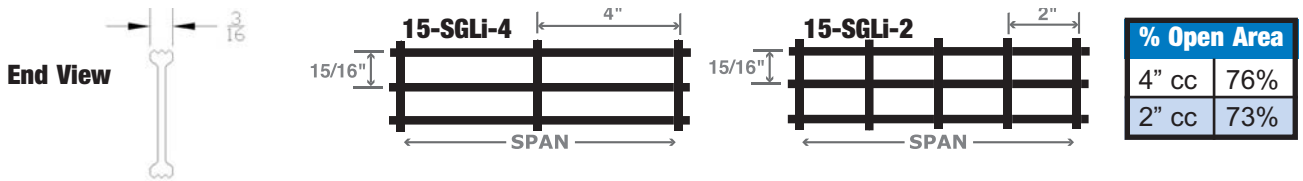


% Open Area	
4" cc	69%
2" cc	66%

\* **Note:** Conforms to spacing requirements mandated by ADA (July 1991- ensuring wheelchair accessibility) when installed with the elongated opening perpendicular to the primary direction of travel.

## Load Table 15 SGLi-4 • 15 SGLi-2

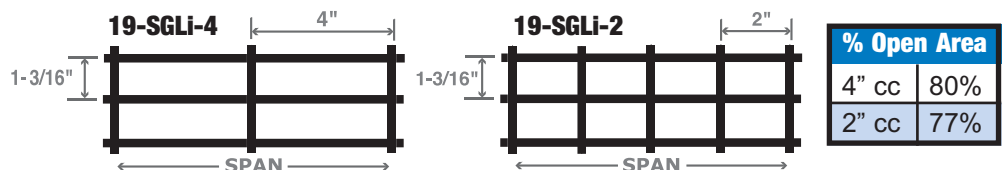
Bar Size (inches)	Ped Span (inches)	Wt. Lbs. (sq. ft.)	Sec.Prop Sx, in <sup>2</sup> - lx, in <sup>4</sup>		1' - 0"	1' - 6"	2' - 0"	2' - 6"	3' - 0"	3' - 6"	4' - 0"	4' - 6"	5' - 0"	5' - 6"	6' - 0"	6' - 6"	7' - 0"	8' - 0"	
3/4"	35	1.62	.151	U	1208	537	302	193	134	99	76								
				D	.043	.098	.173	.271	.39	.531	.694								
				C	604	403	302	242	201	173	151								
1"	43	2.00	.268	U	2099	933	525	336	233	171	131	104							
				D	.034	.076	.135	.212	.305	.415	.542	.686							
				C	1050	700	525	420	350	300	262	233							
1-1/4"	50	2.38	.429	U	3215	1429	804	514	357	262	201	159	129						
				D	.027	.062	.11	.171	.247	.336	.439	.556	.686						
				C	1608	1072	804	643	536	459	402	357	322						
1-1/2"	57	2.77	.588	U	4639	2062	1160	742	515	379	290	229	186	153					
				D	.023	.052	.092	.144	.207	.282	.369	.466	.576	.697					
				C	2319	1546	1160	928	773	663	580	515	464	422					
2"	71	3.63	1.070	U	8560	3804	2140	1370	951	699	535	423	180	283	238	203	175	134	
				D	.017	.039	.070	.109	.157	.214	.279	.354	.444	.549	.629	.738	.856	1.118	
				C	4280	2853	2140	1712	1427	1223	1070	951	450	778	713	658	611	535	
2-1/2"	84	4.45	1.675	U	13398	5954	3349	2144	1489	1094	837	662	536	443	372	317	273	209	
				D	.014	.032	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	.899	
				C	6699	4466	3349	2680	2233	1914	1675	1489	1340	1218	1116	1031	957	837	
			2.145	U	13398	5954	3349	2144	1489	1094	837	662	536	443	372	317	273	209	
				D	.014	.032	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	.899	
				C	6699	4466	3349	2680	2233	1914	1675	1489	1340	1218	1116	1031	957	837	



## Load Table 19 SGLi-4 • 19 SGLi-2

Bar Size (inches)	Ped Span (inches)	Wt. Lbs. (sq. ft.)	Sec.Prop Sx, in <sup>2</sup> - lx, in <sup>4</sup>		1' - 0"	1' - 6"	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"	33	1.36	.119	U	954	424	238	153	106	78	60								
				D	.043	.098	.173	.271	.39	.531	.694								
				C	477	318	238	191	159	136	119								
1"	40	1.66	.211	U	1657	737	414	265	184	135	104	82							
				D	.034	.076	.135	.212	.305	.415	.542	.686							
				C	829	552	414	331	276	237	207	184							
1-1/4"	48	1.97	.339	U	2538	1128	635	406	282	207	159	125	102						
				D	.027	.062	.11	.171	.247	.336	.439	.556	.686						
				C	1269	846	635	508	423	363	317	282	254						
1-1/2"	54	2.27	.464	U	3662	1628	916	586	407	299	229	181	146	121					
				D	.023	.052	.092	.144	.207	.282	.369	.466	.576	.697					
				C	1831	1221	916	732	610	523	458	407	366	333					
2"	67	2.95	.845	U	6760	3004	1690	1082	751	552	423	334	180	223	188	160	138	106	
				D	.017	.039	.070	.109	.157	.214	.279	.354	.444	.549	.629	.738	.856	1.118	
				C	3380	2253	1690	1352	1127	966	845	751	450	615	563	520	483	423	
2-1/2"	79	3.59	1.322	U	10577	4701	2644	1692	1175	863	661	522	423	350	294	250	216	165	
				D	.014	.032	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	0.899	
				C	5288	3526	2644	2115	1763	1511	1322	1175	1058	962	881	814	755	661	
			1.694	U	10577	4701	2644	1692	1175	863	661	522	423	350	294	250	216	165	
				D	.014	.032	.056	.088	.126	.172	.225	.285	.351	.425	.506	.594	.689	0.899	
				C	5288	3526	2644	2115	1763	1511	1322	1175	1058	962	881	814	755	661	

**Key:** U = Safe Uniform Load in lbs/sq. ft.  
 C = Safe Concentrated Load in lbs/ft. grating width D = Deflection in inches.  
 Load & Deflections given in this table are theoretical and based on a unit stress of 12,000 psi.



# Lite I-Bar Series

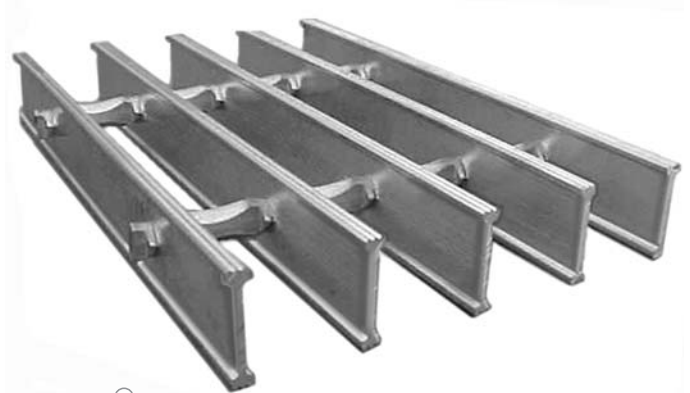
For thirty five years, Ohio Gratings has manufactured one top quality product ...bar grating. As the leader in the aluminum bar grating industry, ...*"We Make It Right and Ship When Promised."*

## Applications:

- **Walkways**
- **Entranceways**
- **Vents / Air Grilles**
- **Ceiling Tiles**
- **Sun Screens**
- **Material Screens**
- **Security Screens**

## Benefits:

- **20% lighter**
- **Reduces Freight Cost**
- **Meets ADA Requirements**
- **More Economical**
- **Meets NAAMM Standards**
- **Easy Field Installation**



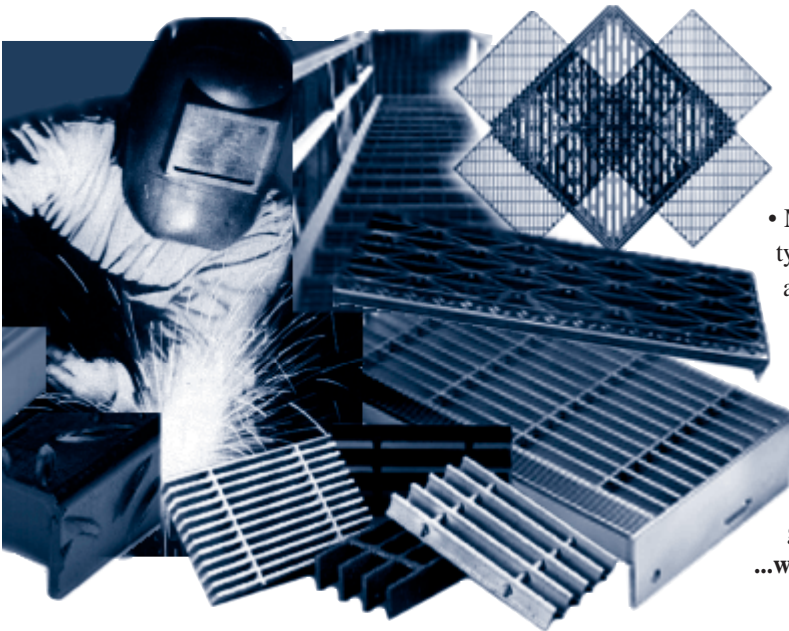
**LITEBAR**

**19 SGLi-4  
Lightweight I-Bar**



**LITEBAR**

**7 SGLi-4  
Lightweight I-Bar**



## The Ohio Gratings, Inc. (OGI) Family Of Products...

### Ohio Gratings, Inc...

- Manufactures other types of aluminum bar grating products for all types of markets including industrial, commercial and architectural.
- Produces a heavier line of I-bar swaged grating for applications with higher loading requirement.
- Offers other aluminum styles including dovetail pressure locked, riveted and plank.
- Fabricates heavy duty steel, stainless steel and light duty steel.
- Specializes in ADA walkways, fencing, ceiling tiles, vent grilles, marine docks, the list goes on. **If you can dream it ...we can build it.**



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