

15 SPACE LOAD TABLES

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"	
1 x 3/16	46	3.06	0.400	U	800	512	356	261	200							
				D	0.144	0.225	0.324	0.441	0.576							
I-Bar		2.42	0.200	C	800	640	533	457	400							
				D	0.115	0.180	0.259	0.353	0.461							
1-1/4 x 3/16	55	3.75	0.625	U	1250	800	556	408	313	247	200					
				D	0.115	0.180	0.259	0.353	0.462	0.583	0.720					
I-Bar		2.87	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 x 3/16	63	4.45	0.900	U	1800	1152	800	588	450	356	288	238				
				D	0.096	0.150	0.216	0.294	0.384	0.487	0.600	0.726				
I-Bar		3.33	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 x 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			
I-Bar		3.78	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 x 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	
I-Bar		4.25	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 x 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
I-Bar		4.66	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 x 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
I-Bar		5.16	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

*Based on 12.8 bars/ft. of grating width. Bearing bars 15/16" c.c. Add 3 lbs./sq. ft. for 15-SG-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.

Panel Width Chart (in.) - 15-SG-4, 15-SG-2, 15-SGLi-4, 15-SGLi-2, 15-SGF-4, 15-SGF-2, 15-ADT-4 & 15-ADT-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 teal.

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

**Bar thickness is 1/4" at top and bottom. Add 1/4" for extended cross bars. Standard panel widths indicated in teal.