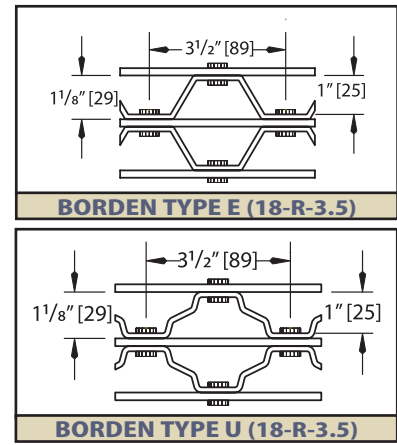
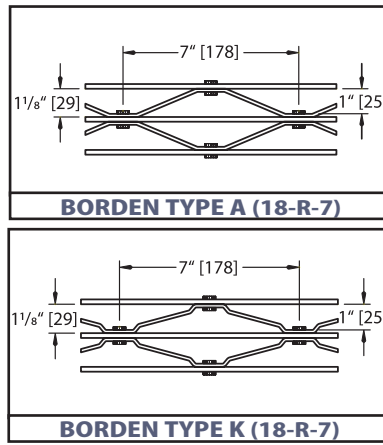


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LOAD TABLE

Size No.	Bearing Bar Size	Weight (#/ft. ²)	Moment of Inertia (in. ⁴ /f.w.)	Section Modulus (in. ³ /f.w.)	Maximum span recommended for 1/4" deflection under uniform load of 100 psf. (normal pedestrian traffic) in inches																	
					Span in Inches																	
					24	30	36	42	48	54	60	66	72	78	84	96	108					
1	3/4" x 1/8"	2.14	0.0422	0.1125	31	U	225	144	100	73	56	44	36	Table in accordance with NAAMM MBG 531-00 F - 12,000 psi E - 10,000,000 psi Alloys 6061 T6 and 6063 T6 U - Safe Uniform Load (lbs./sq.ft.) C - Safe Conc. load (lbs./ft. width) D - Deflection in inches f.w. = foot width								
		Du				0.192	0.300	0.432	0.588	0.768	0.972	1.200										
		Dc				0.154	0.240	0.346	0.470	0.614	0.778	0.960										
2	3/4" x 3/16"	2.41	0.0603	0.1607	34	U	321	206	143	105	80	63	51									
		Du				0.192	0.300	0.432	0.588	0.768	0.972	1.200										
		C				321	257	214	184	161	143	129										
3	1" x 1/8"	2.49	0.1000	0.2000	39	Dc	0.154	0.240	0.346	0.470	0.614	0.778	0.960									
		U				400	256	178	131	100	79	64										
		Du				0.144	0.225	0.324	0.441	0.576	0.729	0.900										
4	1" x 3/16"	2.90	0.1429	0.2857	43	Dc	400	320	267	229	200	178	160									
		U				571	366	254	187	143	113	91										
		Du				0.144	0.225	0.324	0.441	0.576	0.729	0.900										
5	1 1/4" x 1/8"	2.83	0.1953	0.3125	46	Dc	571	457	381	327	286	254	229									
		U				625	400	278	204	156	123	100										
		Du				0.115	0.180	0.259	0.353	0.461	0.583	0.720										
6	1 1/4" x 3/16"	3.40	0.2790	0.4464	50	Dc	625	500	417	357	313	278	250									
		U				893	571	397	292	223	176	143										
		Du				0.092	0.144	0.207	0.282	0.369	0.467	0.576										
7	1 1/2" x 1/8"	3.17	0.3375	0.4500	53	Dc	893	714	595	510	446	397	357									
		U				900	576	400	294	225	178	144										
		Du				0.096	0.150	0.216	0.294	0.384	0.486	0.600										
8	1 1/2" x 3/16"	3.89	0.4821	0.6429	58	Dc	900	720	600	514	450	400	360									
		U				1286	823	571	420	321	254	206										
		Du				0.077	0.120	0.173	0.235	0.307	0.389	0.480										
9	1 3/4" x 3/16"	4.38	0.7656	0.8750	65	Dc	1286	1029	857	735	643	571	514									
		U				1750	1120	778	571	438	346	280										
		Du				0.077	0.120	0.173	0.235	0.307	0.389	0.480										
10	2" x 3/16"	5.21	1.1429	1.1429	72	Dc	1750	1400	1167	1000	875	778	700									
		U				2286	1463	1016	746	571	451	366										
		Du				0.082	0.129	0.185	0.252	0.329	0.417	0.514										
11	2 1/4" x 3/16"	5.70	1.6272	1.4464	78	Dc	1750	1400	1167	1000	875	778	700									
		U				2893	1851	1286	945	723	571	463										
		Du				0.066	0.100	0.144	0.196	0.256	0.324	0.400										
12	2 1/2" x 3/16"	6.19	2.2321	1.7857	85	Dc	2893	2314	1929	1653	1446	1286	1157									
		U				3571	2286	1587	1166	893	705	571										
		Du				0.051	0.080	0.115	0.157	0.205	0.259	0.320										
		6.53				Dc	3571	2857	2381	2041	1786	1587	1429									
		U				4000	2560	1780	1310	1000	790	630										
		Du				0.046	0.072	0.104	0.141	0.184	0.233	0.288										

All loads and deflections are based on gross sections and nominal sizes of bearing bars. The values listed are for design selection only and are not intended to be "absolute".

Actual load capacity will be affected slightly by variations which can be expected due to material and manufacturing tolerances.

1/4" is considered the maximum deflection which is consistent with pedestrian comfort, but may be exceeded for other application at the discretion of the Engineer.

When serrated gratings are specified, increase the depth of the grating selected from the table by 1/4" to allow for the serrations.

PANEL WIDTHS (inches)																	
# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
3/16" Bars	1 1/2	2 13/16	4 1/8	5 7/16	6 3/4	8 1/16	9 3/8	10 11/16	12	13 5/16	14 5/8	15 15/16	17 1/4	18 9/16	19 7/8	21 3/16	22 1/2
1/8" Bars	1 3/8	2 5/8	3 7/8	5 1/8	6 3/8	7 5/8	8 7/8	10 1/8	11 3/8	12 5/8	13 7/8	15 1/8	16 3/8	17 5/8	18 7/8	20 1/8	21 3/8
# Bars	19	20	21	22	23	24	25	26	27	28	29						
3/16" Bars	23 13/16	25 1/8	26 7/16	27 3/4	29 1/16	30 3/8	31 11/16	33	34 5/16	35 5/8	36 15/16						
1/8" Bars	22 5/8	23 7/8	25 1/8	26 3/8	27 5/8	28 7/8	30 1/8	31 3/8	32 5/8	33 7/8	35 1/8						