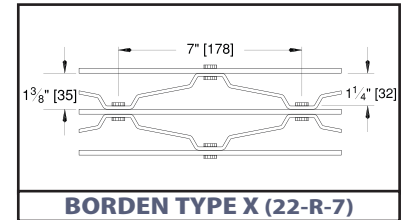
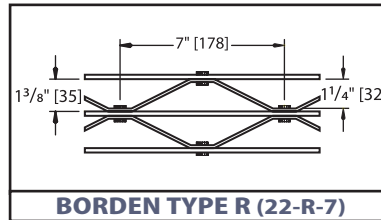


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LOAD TABLE

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"	5.85	0.0352	0.0938	39	U	281	180	125	92	70	56	45	37	31	27	23	18	14	
						Du	0.099	0.155	0.223	0.304	0.397	0.503	0.621	0.751	0.894	1.049	1.217	1.589	2.011	
						Dc	0.079	0.124	0.179	0.243	0.318	0.402	0.497	0.601	0.715	0.839	0.973	1.271	1.609	
2	3/4" x 3/16"	6.48	0.0506	0.1350	43	U	405	259	180	132	101	80	65	54	45	38	33	25	20	
						Du	0.099	0.155	0.223	0.304	0.397	0.503	0.621	0.751	0.894	1.049	1.217	1.589	2.011	
						Dc	0.079	0.124	0.179	0.243	0.318	0.402	0.497	0.601	0.715	0.839	0.973	1.271	1.609	
3	1" x 1/8"	6.70	0.0833	0.1667	49	U	500	320	222	163	125	99	80	66	56	47	41	31	25	
						Du	0.074	0.116	0.168	0.228	0.298	0.377	0.466	0.563	0.670	0.787	0.912	1.192	1.508	
						Dc	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730	0.953	1.207	
4	1" x 3/16"	7.70	0.1200	0.2400	53	U	720	461	320	235	180	142	115	95	80	68	59	45	36	
						Du	0.074	0.116	0.168	0.228	0.298	0.377	0.466	0.563	0.670	0.787	0.912	1.192	1.508	
						Dc	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730	0.953	1.207	
5	1 1/4" x 1/8"	7.55	0.1628	0.2604	57	U	781	500	347	255	195	154	125	103	87	74	64	49	39	
						Du	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730	0.953	1.207	
						Dc	0.048	0.074	0.107	0.146	0.191	0.241	0.298	0.360	0.429	0.504	0.584	0.763	0.965	
6	1 1/4" x 3/16"	8.93	0.2344	0.3750	63	U	1125	720	500	367	281	222	180	149	125	107	92	70	56	
						Du	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730	0.953	1.207	
						Dc	0.048	0.074	0.107	0.146	0.191	0.241	0.298	0.360	0.429	0.504	0.584	0.763	0.965	
7	1 1/2" x 1/8"	8.40	0.2813	0.3750	66	U	1125	720	500	367	281	222	180	149	125	107	92	70	56	
						Du	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.524	0.608	0.794	1.006	
						Dc	0.040	0.062	0.089	0.122	0.159	0.201	0.248	0.300	0.358	0.420	0.487	0.636	0.804	
8	1 1/2" x 3/16"	10.15	0.4050	0.5400	72	U	1620	1037	720	529	405	320	259	214	180	153	132	101	80	
						Du	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.524	0.608	0.794	1.006	
						Dc	0.040	0.062	0.089	0.122	0.159	0.201	0.248	0.300	0.358	0.420	0.487	0.636	0.804	
9	1 3/4" x 3/16"	11.38	0.6431	0.7350	81	U	2205	1411	980	720	551	436	353	292	245	209	180	138	109	
						Du	0.043	0.067	0.096	0.130	0.170	0.215	0.266	0.322	0.383	0.450	0.521	0.681	0.862	
						Dc	0.034	0.053	0.077	0.104	0.136	0.172	0.213	0.257	0.306	0.360	0.417	0.545	0.689	
10	2" x 3/16"	13.60	0.9600	0.9600	89	U	2880	1843	1280	940	720	569	461	381	320	273	235	180	142	
						Du	0.037	0.058	0.084	0.114	0.149	0.189	0.233	0.282	0.335	0.393	0.456	0.596	0.754	
						Dc	0.030	0.047	0.067	0.091	0.119	0.151	0.186	0.225	0.268	0.315	0.365	0.477	0.603	
11	2 1/4" x 3/16"	14.83	1.3669	1.2150	98	U	3645	2333	1620	1190	911	720	583	482	405	345	298	228	180	
						Du	0.033	0.052	0.074	0.101	0.132	0.168	0.207	0.250	0.298	0.350	0.406	0.530	0.670	
						Dc	0.026	0.041	0.060	0.081	0.106	0.134	0.166	0.200	0.238	0.280	0.324	0.424	0.536	
12	2 1/2" x 3/16"	16.05	1.8750	1.5000	106	U	4500	2880	2000	1469	1125	889	720	595	500	426	367	281	222	
						Du	0.030	0.047	0.067	0.091	0.119	0.151	0.186	0.225	0.268	0.315	0.365	0.477	0.603	
						Dc	0.024	0.037	0.054	0.073	0.095	0.121	0.149	0.180	0.215	0.252	0.292	0.381	0.483	

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 11/16	3 3/16	4 11/16	6 3/16	7 11/16	9 3/16	10 11/16	12 3/16	13 11/16	15 3/16	16 11/16	18 3/16	19 11/16	21 3/16	22 11/16	24 3/16	25 11/16
1/8" Bars	1 1/2	2 7/8	4 1/4	5 5/8	7	8 3/8	9 3/4	11 1/8	12 1/2	13 7/8	15 1/4	16 5/8	18	19 3/8	20 3/4	22 1/8	23 1/2
# Bars	19	20	21	22	23	24	25	26	27								
3/16" Bars	27 3/16	28 11/16	30 3/16	31 11/16	33 3/16	34 11/16	36 3/16	37 11/16	39 3/16								
1/8" Bars	24 7/8	26 1/4	27 5/8	29	30 3/8	31 3/4	33 1/8	34 1/2	35 7/8								