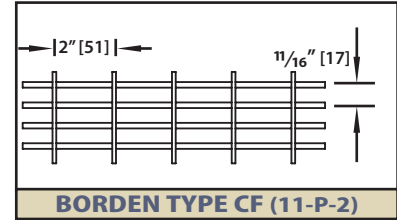
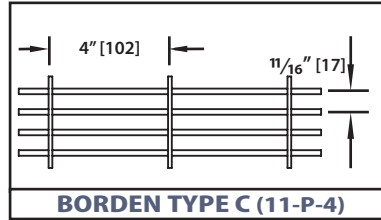


Pressure Locked Grating Steel



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														Table in accordance with NAAMM MBG 531-00 F - 18,000 psi E - 29,000,000 psi					
					24	30	36	42	48	54	60	66	72	78	84	96	108							
1	3/4" x 1/8"	6.45	0.0767	0.2045	48	U	614	393	273	200	153	121	98	U - Safe Uniform Load (lbs./sq.ft.) C - Safe Conc. load (lbs./ft. width) D - Deflection in inches f.w. = foot width										
		Du				0.099	0.155	0.223	0.304	0.397	0.503	0.621												
		C				614	491	409	351	307	273	245												
2	3/4" x 3/16"	9.43	0.1151	0.3068	53	U	920	589	409	301	230	182	147	335	307	283	263	243	223	203	183	163	143	123
		Du				0.099	0.155	0.223	0.304	0.397	0.503	0.621	0.601	0.715	0.839	0.963	1.087	1.211	1.335	1.459	1.583	1.707	1.831	1.955
		C				920	736	614	526	460	409	368	335	307	283	263	243	223	203	183	163	143	123	
3	1" x 1/8"	8.82	0.1818	0.3636	59	U	1091	698	485	356	273	215	175	144	121	103	85	71	58	45	32	19	7	
		Du				0.074	0.116	0.168	0.228	0.298	0.377	0.466	0.563	0.670	0.787	0.904	1.021	1.138	1.255	1.372	1.489	1.606	1.723	1.840
		C				1091	873	727	623	545	485	436	397	364	336	308	280	252	224	196	168	140	112	84
4	1" x 3/16"	12.57	0.2727	0.5455	65	U	1636	1047	727	534	409	323	262	216	182	155	134	112	90	68	46	24	2	
		Du				0.074	0.116	0.168	0.228	0.298	0.377	0.466	0.563	0.670	0.787	0.904	1.021	1.138	1.255	1.372	1.489	1.606	1.723	1.840
		C				1636	1309	1091	935	818	727	655	595	545	503	468	436	404	372	340	308	276	244	212
5	1 1/4" x 1/8"	10.70	0.3551	0.5682	70	U	1705	1091	758	557	426	337	273	225	189	161	139	117	95	73	51	29	7	
		Du				0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730	0.839	0.953	1.067	1.181	1.295	1.409	1.523	1.637
		C				1705	1364	1136	974	852	758	682	620	568	524	487	450	413	376	339	302	265	228	191
6	1 1/4" x 3/16"	15.39	0.5327	0.8523	77	U	2557	1636	1136	835	639	505	409	338	284	242	209	160	126	92	58	24	0	
		Du				0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.451	0.536	0.629	0.730	0.839	0.953	1.067	1.181	1.295	1.409	1.523	1.637
		C				2557	2045	1705	1461	1278	1136	1023	930	852	787	731	675	619	563	507	451	395	339	283
7	1 1/2" x 1/8"	12.59	0.6136	0.8182	80	U	2455	1571	1091	801	614	485	393	325	273	232	200	153	121	98	75	52	29	
		Du				0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.524	0.608	0.692	0.776	0.860	0.944	1.028	1.112	1.196	1.280
		C				2455	1964	1636	1403	1227	1091	982	893	818	755	701	644	587	530	473	416	359	302	245
8	1 1/2" x 3/16"	18.21	0.9205	1.2273	89	U	3682	2356	1636	1202	920	727	589	487	409	349	301	230	182	134	86	38	0	
		Du				0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.524	0.608	0.692	0.776	0.860	0.944	1.028	1.112	1.196	1.280
		C				3682	2945	2455	2104	1841	1636	1473	1339	1227	1133	1052	970	888	806	724	642	560	478	396
9	1 3/4" x 3/16"	21.04	1.4616	1.6705	99	U	5011	3207	2227	1636	1253	990	802	663	557	474	409	313	247	182	117	52	0	
		Du				0.043	0.067	0.096	0.130	0.170	0.215	0.266	0.322	0.383	0.450	0.521	0.592	0.663	0.734	0.805	0.876	0.947	1.018	1.089
		C				5011	4009	3341	2864	2506	2227	2005	1822	1670	1542	1432	1323	1214	1105	996	887	778	669	560
10	2" x 3/16"	23.86	2.1818	2.1818	110	U	6545	4189	2909	2137	1636	1293	1047	866	727	620	534	409	323	247	182	117	52	
		Du				0.037	0.058	0.084	0.114	0.149	0.189	0.233	0.282	0.335	0.393	0.456	0.519	0.582	0.645	0.708	0.771	0.834	0.897	0.960
		C				6545	5236	4364	3740	3273	2909	2618	2380	2182	2014	1870	1636	1402	1168	934	700	466	232	0
11	2 1/4" x 3/16"	26.68	3.1065	2.7614	120	U	8284	5302	3682	2705	2071	1636	1325	1095	920	784	676	518	409	323	247	182	117	
		Du				0.033	0.052	0.074	0.101	0.132	0.168	0.207	0.250	0.298	0.350	0.406	0.462	0.518	0.574	0.630	0.686	0.742	0.798	0.854
		C				8284	6627	5523	4734	4142	3682	3314	3012	2761	2549	2367	2071	1841	1611	1381	1151	921	691	461
12	2 1/2" x 3/16"	29.50	4.2614	3.4091	130	U	10227	6545	4545	3340	2557	2020	1636	1352	1136	968	835	639	505	395	305	235	175	
		Du				0.030	0.047	0.067	0.091	0.119	0.151	0.186	0.225	0.268	0.315	0.365	0.417	0.469	0.521	0.573	0.625	0.677	0.729	0.781
		C				10227	8182	6818	5844	5114	4545	4091	3719	3409	3147	2922	2557	2223	1913	1623	1353	1103	853	603