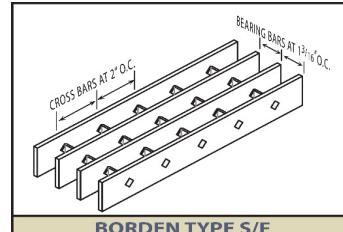
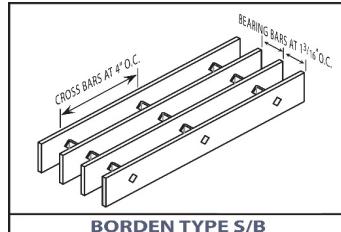


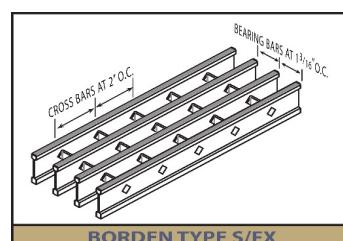
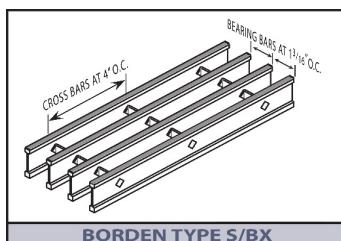


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Squeeze Locked Grating Aluminum



LOAD TABLE



Size No.	Bearing Bar Size	Weight lbs/sq.ft.	Moment of Inertia	Section Modulus	Maximum span recommended for 1/4" deflection under uniform load of 100 psf. (normal pedestrian traffic)													
					Span in Inches													
					24	30	36	42	48	54	60	66	72	78	84	96	108	
3	1"x1/8"	1.79	0.1053	0.2105	39	U 421	269	187	137	105	83	67						
		2.09				Du 0.14	0.23	0.32	0.44	0.58	0.73	0.9						
		1.52				C 421	337	281	241	211	187	168						
		2.43				Dc 0.12	0.18	0.26	0.35	0.46	0.58	0.72						
4	1"x3/16"	2.53	0.1579	0.3158	44	U 632	404	281	206	158	125	101						
		2.83				Du 0.14	0.23	0.32	0.44	0.58	0.73	0.9						
		2.13				C 632	505	421	361	316	281	253						
		2.12				Dc 0.12	0.18	0.26	0.35	0.46	0.58	0.72						
5	1 1/4"x1/8"	2.16	0.2056	0.3289	47	U 658	421	292	215	164	130	105	87	73	62			
		2.46				Du 0.12	0.18	0.26	0.35	0.46	0.58	0.72	0.87	1.04	1.22			
		1.82				C 658	526	439	376	329	292	263	239	219	202			
		2.88				Dc 0.09	0.14	0.21	0.28	0.37	0.47	0.58	0.7	0.83	0.97			
6	1 1/4"x3/16"	3.09	0.3084	0.4934	52	U 987	632	439	322	247	195	158	130	110	93	81	62	
		3.39				Du 0.12	0.18	0.26	0.35	0.46	0.58	0.72	0.87	1.04	1.22	1.41	1.84	2.33
		2.66				C 987	789	658	564	493	439	395	359	329	304	282	247	219
		2.49				Dc 0.09	0.14	0.21	0.28	0.37	0.47	0.58	0.7	0.83	0.97	1.13	1.47	1.87
7	1 1/2"x1/8"	2.53	0.3553	0.4737	53	U 947	606	421	309	237	187	152	125	105	90	77	59	
		2.83				Du 0.1	0.15	0.22	0.29	0.38	0.49	0.6	0.73	0.86	1.01	1.18	1.54	1.94
		2.13				C 947	758	632	541	474	421	379	344	316	291	271	237	211
		3.34				Dc 0.08	0.12	0.17	0.24	0.31	0.39	0.48	0.58	0.69	0.81	0.94	1.23	1.56
8	1 1/2"x3/16"	3.65	0.5329	0.7105	59	U 1421	909	632	464	355	281	227	188	158	135	116	89	
		3.95				Du 0.1	0.15	0.22	0.29	0.38	0.49	0.6	0.73	0.86	1.01	1.18	1.54	1.94
		2.95				C 1421	1137	947	812	711	632	568	517	474	437	406	355	316
		3.69				Dc 0.08	0.12	0.17	0.24	0.31	0.39	0.48	0.58	0.69	0.81	0.94	1.23	1.56
9	1 3/4"x3/16"	4.20	0.8462	0.9671	66	U 1934	1238	860	632	484	382	309	256	215	183	158	121	
		4.50				Du 0.08	0.13	0.19	0.25	0.33	0.42	0.51	0.62	0.74	0.87	1.01	1.32	1.67
		3.23				C 1934	1547	1289	1105	967	860	774	703	645	595	553	484	430
		3.95				Dc 0.07	0.1	0.15	0.2	0.26	0.33	0.41	0.5	0.59	0.7	0.81	1.05	1.33
10	2"x3/16"	4.76	1.2632	1.2632	73	U 2526	1617	1123	825	632	499	404	334	281	239	206	158	
		5.06				Du 0.07	0.11	0.16	0.22	0.29	0.36	0.45	0.54	0.65	0.76	0.88	1.15	1.46
		3.51				C 2526	2021	1684	1444	1263	1123	1011	919	842	777	722	632	561
		4.21				Dc 0.06	0.09	0.13	0.18	0.23	0.29	0.36	0.44	0.52	0.61	0.71	0.92	1.17
11	2 1/4"x3/16"	5.32	1.7985	1.5987	80	U 3197	2046	1421	1044	799	632	512	423	355	303	261	200	
		5.62				Du 0.06	0.1	0.14	0.2	0.26	0.32	0.4	0.48	0.58	0.68	0.78	1.02	1.3
		3.79				C 3197	2558	2132	1827	1599	1421	1279	1163	1066	984	914	799	711
		4.48				Dc 0.05	0.08	0.12	0.16	0.2	0.26	0.32	0.39	0.46	0.54	0.63	0.82	1.04
12	2 1/2"x3/16"	5.88	2.4671	1.9737	87	U 3947	2526	1754	1289	987	780	632	522	439	374	322	247	
		6.18				Du 0.06	0.09	0.13	0.18	0.23	0.29	0.36	0.44	0.52	0.61	0.71	0.92	1.17
		4.18				C 3947	3158	2632	2256	1974	1754	1579	1435	1316	1215	1128	987	877
		4.48				Dc 0.05	0.07	0.1	0.14	0.18	0.23	0.29	0.35	0.41	0.49	0.56	0.74	0.93

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.

Revised March 2021