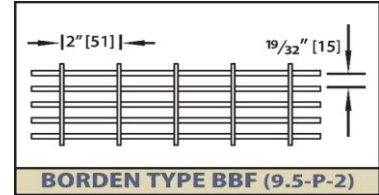


Free air % for 1/8" bars: 76.48%  
Free air % for 3/16" bars: 66.28%



Free air % for 1/8" bars: 74.01%  
Free air % for 3/16" bars: 64.14%

Grating type	Weight lbs./ft <sup>2</sup> kg/m <sup>2</sup>	I in. <sup>4</sup> mm <sup>4</sup>	S in. <sup>3</sup> mm <sup>3</sup>	CL-625		OBC				H20	5 TON	3 ton	1 ton	Car
				Span L in. mm	Span L in. mm	veh>9000 kg		4000kg<veh <9000kg	4000kg > veh					
						parallel	perpendicular							
<b>BB-1</b>	8.36	0.0888	0.2368	6.97	12.88	7.60	13.00	3.16	3.96	11.45	6.78	4.83	4.15	8.25
<b>3/4"x1/8"</b>	40.82	36968	3881	177	327	193	330	80	101	291	172	123	105	210
<b>BB-2</b>	11.59	0.1332	0.3553	7.96	13.31	8.94	13.60	3.56	4.76	12.17	7.43	5.50	5.23	10.12
<b>3/4"x3/16"</b>	56.56	55452	5822	202	338	227	345	90	121	309	189	140	133	257
<b>BB-3</b>	10.51	0.2105	0.4211	8.51	13.56	9.69	13.93	3.78	5.20	12.57	7.78	5.87	5.83	11.17
<b>1"x1/8"</b>	51.32	87628	6900	216	344	246	354	96	132	319	198	149	148	284
<b>BB-4</b>	14.81	0.3158	0.6316	10.26	14.34	12.07	14.99	4.49	6.62	13.86	8.93	7.05	7.74	14.50
<b>1"x3/16"</b>	72.30	131442	10350	261	364	307	381	114	168	352	227	179	197	368
<b>BB-5</b>	12.66	0.4112	0.6579	10.48	14.44	12.37	15.12	4.58	6.80	14.02	9.07	7.20	7.98	14.92
<b>1 1/4"x1/8"</b>	61.81	171148	10781	266	367	314	384	116	173	356	230	183	203	379
<b>BB-6</b>	18.03	0.6168	0.9868	13.22	15.65	16.09	16.78	5.69	9.02	16.03	10.85	9.05	10.97	20.12
<b>1 1/4"x3/16"</b>	88.04	256722	16171	336	398	409	426	145	229	407	276	230	279	511
<b>BB-7</b>	14.81	0.7105	0.9474	12.89	15.51	15.64	16.58	5.56	8.75	15.79	10.64	8.83	10.61	19.50
<b>1 1/2"x1/8"</b>	72.30	295743	15525	328	394	397	421	141	222	401	270	224	269	495
<b>BB-8</b>	21.26	1.0658	1.4211	16.84	17.26	21.01	18.96	7.15	11.94	18.69	13.21	11.50	14.91	27.00
<b>1 1/2"x3/16"</b>	103.78	443615	23287	428	438	534	482	182	303	475	336	292	379	686
<b>BB-9</b>	24.48	1.6924	1.9342	21.12	19.16	26.82	21.54	8.88	15.40	21.82	15.99	14.38	19.57	35.12
<b>1 3/4"x3/16"</b>	119.52	704444	31696	536	487	681	547	226	391	554	406	365	497	892
<b>BB-10</b>	27.70	2.5263	2.5263	26.05	21.35	33.52	24.52	10.88	19.40	25.44	19.20	17.72	24.95	44.43
<b>2"x3/16"</b>	135.26	1051532	41399	662	542	851	623	276	493	646	488	450	634	1129
<b>BB-11</b>	30.93	3.5970	3.1974	31.64	23.83	41.11	27.90	13.14	23.92	29.54	22.84	21.49	31.05	51.88
<b>2 1/4"x3/16"</b>	151.00	1497201	52395	804	605	1044	709	334	608	750	580	546	789	1318
<b>BB-12</b>	34.15	4.9342	3.9474	37.89	26.61	49.60	31.68	15.67	28.98	34.13	26.91	25.71	37.86	57.59
<b>2 1/2"x3/16"</b>	166.74	2053773	64686	962	676	1260	805	398	736	867	684	653	962	1463
<b>BB-13</b>	37.37	6.5674	4.7763	44.80	29.68	56.69	35.85	18.47	34.57	39.19	31.41	30.38	45.39	63.29
<b>2 3/4"x3/16"</b>	182.48	2733573	78270	1138	754	1440	911	469	878	995	798	772	1153	1608
<b>BB-14</b>	40.60	8.5263	5.6842	52.37	33.04	61.80	40.42	21.53	40.69	44.74	36.34	35.49	53.64	69.01
<b>3"x3/16"</b>	198.22	3548921	93148	1330	839	1570	1027	547	1034	1136	923	901	1362	1753

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.

# Bars	PANEL WIDTHS (inches)													
	2	3	4	5	6	7	8	9	10	11	12	13	14	
3/16" Bars	25/32	1 3/8	1 31/32	2 9/16	3 5/32	3 3/4	4 11/32	4 15/16	5 17/32	6 1/8	6 23/32	7 5/16	7 29/32	
1/8" Bars	23/32	1 5/16	1 29/32	2 1/2	3 3/32	3 11/16	4 9/32	4 7/8	5 15/32	6 1/16	6 21/32	7 1/4	7 27/32	
# Bars	15	16	17	18	19	20	21	22	23	24	25	26	27	
3/16" Bars	8 1/2	9 3/32	9 11/16	10 9/32	10 7/8	11 15/32	12 1/16	12 21/32	13 1/4	13 27/32	14 7/16	15 1/32	15 5/8	
1/8" Bars	8 7/16	9 1/32	9 5/8	10 7/32	10 13/16	11 13/32	12	12 19/32	13 3/16	13 25/32	14 3/8	14 31/32	15 9/16	
# Bars	28	29	30	31	32	33	34	35	36	37	38	39	40	
3/16" Bars	16 7/32	16 13/16	17 13/32	18	18 19/32	19 3/16	19 25/32	20 3/8	20 31/32	21 9/16	22 5/32	22 3/4	23 11/32	
1/8" Bars	16 5/32	16 3/4	17 11/32	17 15/16	18 17/32	19 1/8	19 23/32	20 5/16	20 29/32	21 1/2	22 3/32	22 11/16	23 9/32	
# Bars	41	42	43	44	45	46	47	48	49	50	51	52	53	
3/16" Bars	23 15/16	24 17/32	25 1/8	25 23/32	26 5/16	26 29/32	27 1/2	28 3/32	28 11/16	29 9/32	29 7/8	30 15/32	31 1/16	
1/8" Bars	23 7/8	24 15/32	25 1/16	25 21/32	26 1/4	26 27/32	27 7/16	28 1/32	28 5/8	29 7/32	29 13/16	30 13/32	31	
# Bars	54	55	56	57	58	59	60	61						
3/16" Bars	31 21/32	32 1/4	32 27/32	33 7/16	34 1/32	34 5/8	35 7/32	35 13/16						
1/8" Bars	31 19/32	32 3/16	32 25/32	33 3/8	33 31/32	34 9/16	35 5/32	35 3/4						