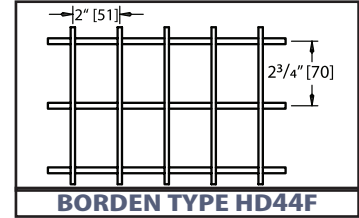
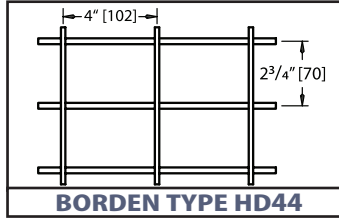




www.bordengratings.com

# Heavy Duty Grating



## WHEEL LOADS

Grating Type	Weight lbs./ft <sup>2</sup> kg/m <sup>2</sup>	Moment of Inertia in. <sup>4</sup> mm <sup>4</sup>	Section Modulus in. <sup>3</sup> mm <sup>3</sup>	Span (inches)						
				CL-625 parallel	perpendicular	OBC	H20	5 TON	3 ton	Car Traffic
8HD44-4	7.48	0.3068	0.4091	9.44	14.33	24.68	13.34	8.84	7.41	20.58
1 1/2" x 1/4"	36.53	127707	6704	240	364	627	339	224	188	523
8HD44-6	10.27	0.4602	0.6136	11.65	15.50	28.37	15.02	10.51	9.36	28.88
1 1/2" x 3/8"	50.12	191561	10056	296	394	721	381	267	238	733
9HD44-4	8.41	0.4872	0.5568	11.04	15.17	28.18	14.55	10.04	8.82	26.57
1 3/4" x 1/4"	41.06	202795	9125	280	385	716	370	255	224	675
9HD44-6	11.66	0.7308	0.8352	14.06	16.76	33.18	16.83	12.32	11.47	36.34
1 3/4" x 3/8"	56.92	304192	13687	357	426	843	427	313	291	923
10HD44-4	9.34	0.7273	0.7273	12.89	16.14	32.21	15.94	11.43	10.44	33.48
2" x 1/4"	45.59	302714	11918	327	410	818	405	290	265	850
10HD44-6	13.05	1.0909	1.0909	16.83	18.22	38.54	18.92	14.40	13.91	44.22
2" x 3/8"	63.72	454071	17877	427	463	979	480	366	353	1123
11HD44-4	10.27	1.0355	0.9205	14.98	17.24	36.78	17.52	13.01	12.29	41.32
2 1/4" x 1/4"	50.12	431012	15084	381	438	934	445	330	312	1049
11HD44-6	14.44	1.5533	1.3807	19.97	19.87	44.42	21.28	16.77	16.68	51.76
2 1/4" x 3/8"	70.51	646519	22625	507	505	1128	541	426	424	1315
12HD44-4	11.19	1.4205	1.1364	17.32	18.47	41.89	19.29	14.77	14.35	50.07
2 1/2" x 1/4"	54.66	591238	18622	440	469	1064	490	375	364	1272
12HD44-6	15.83	2.1307	1.7045	23.48	21.71	50.53	23.93	19.41	19.77	57.45
2 1/2" x 3/8"	77.31	886857	27932	596	551	1284	608	493	502	1459
13HD44-4	12.12	1.8906	1.3750	19.91	19.83	47.54	21.24	16.72	16.63	55.23
2 3/4" x 1/4"	59.19	786938	22532	506	504	1208	539	425	422	1403
14HD44-4	13.05	2.4545	1.6364	22.74	21.32	52.74	23.37	18.85	19.12	60.22
3" x 1/4"	63.72	1021659	26815	578	542	1340	594	479	486	1530
14HD44-6	18.62	3.6818	2.4545	31.62	25.99	59.72	30.06	25.53	26.93	68.89
3" x 3/8"	90.90	1532488	40223	803	660	1517	764	648	684	1750
16HD44-4	14.91	3.8977	2.2273	29.15	24.69	60.79	28.20	23.68	24.76	70.21
3 1/2" x 1/4"	72.78	1622357	36498	740	627	1544	716	601	629	1783
16HD44-6	21.40	5.8466	3.3409	41.23	31.04	69.01	37.31	32.76	35.39	80.33
3 1/2" x 3/8"	104.50	2433535	54748	1047	788	1753	948	832	899	2040
18HD44-4	16.76	5.8182	2.9091	36.55	28.58	68.90	33.78	29.24	31.27	80.20
4" x 1/4"	81.84	2421710	47671	928	726	1750	858	743	794	2037
18HD44-6	24.19	8.7273	4.3636	52.32	36.86	78.36	45.66	41.11	45.15	91.77
4" x 3/8"	118.09	3632565	71507	1329	936	1990	1160	1044	1147	2331
20HD44-4	18.62	8.2841	3.6818	44.93	32.98	77.07	40.09	35.54	38.65	90.19
4 1/2" x 1/4"	90.90	3448099	60334	1141	838	1958	1018	903	982	2291
20HD44-6	26.97	12.4261	5.5227	64.89	43.47	87.75	55.14	50.57	56.22	103.22
4 1/2" x 3/8"	131.68	5172148	90501	1648	1104	2229	1400	1284	1428	2622
22HD44-4	20.47	11.3636	4.5455	54.29	37.90	85.27	47.15	42.59	46.89	100.19
5" x 1/4"	99.97	4729903	74487	1379	963	2166	1198	1082	1191	2545
22HD44-6	32.54	22.6875	8.2500	81.39	59.01	106.63	74.73	72.82	77.92	147.22
5" x 3/8"	158.87	9443250	135193	2067	1499	2709	1898	1850	1979	3739

PANEL WIDTHS (inches)													
# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14
1/4" Bars	3	5 3/4	8 1/2	11 1/4	14	16 3/4	19 1/2	22 1/4	25	27 3/4	30 1/2	33 1/4	36
3/8" Bars	3 1/8	5 7/8	8 5/8	11 3/8	14 1/8	16 7/8	19 5/8	22 3/8	25 1/8	27 7/8	30 5/8	33 3/8	36 1/8