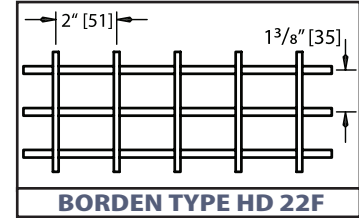
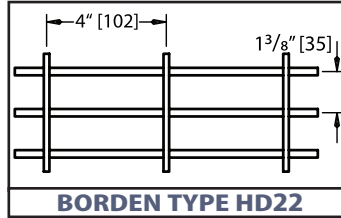




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# Heavy Duty Grating



## 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)						
				(mm)						
				CL-625 parallel	CL-625 perpendicular	OBC	H20	5 TON	3 ton	Car Traffic
8HD22-4	13.05	0.6136	0.8182	13.05	15.83	30.36	15.97	11.06	9.59	29.90
1 1/2" x 1/4"	63.72	255415	13408	331	402	771	406	281	244	759
8HD22-6	18.62	0.9205	1.2273	17.07	17.75	35.04	18.95	13.85	12.64	36.40
1 1/2" x 3/8"	90.90	383122	20111	434	451	890	481	352	321	924
9HD22-4	14.91	0.9744	1.1136	15.95	17.22	35.79	18.12	13.07	11.79	37.42
1 3/4" x 1/4"	72.78	405589	18249	405	437	909	460	332	300	951
9HD22-6	21.40	1.4616	1.6705	21.43	19.83	41.93	22.18	16.86	15.94	45.66
1 3/4" x 3/8"	104.50	608384	27374	544	504	1065	563	428	405	1160
10HD22-4	16.76	1.4545	1.4545	19.30	18.82	41.84	20.61	15.39	14.33	45.55
2" x 1/4"	81.84	605428	23836	490	478	1063	523	391	364	1157
10HD22-6	24.19	2.1818	2.1818	26.45	22.23	49.54	25.91	20.34	19.74	53.70
2" x 3/8"	118.09	908141	35754	672	565	1258	658	517	502	1364
11HD22-4	18.62	2.0710	1.8409	23.10	20.63	48.45	23.42	18.02	17.21	52.78
2 1/4" x 1/4"	90.90	862025	30167	587	524	1231	595	458	437	1341
11HD22-6	26.97	3.1065	2.7614	32.15	24.94	55.29	30.13	24.28	24.06	60.37
2 1/4" x 3/8"	131.68	1293037	45251	817	634	1404	765	617	611	1533
12HD22-4	20.47	2.8409	2.2727	27.35	22.65	53.80	26.57	20.95	20.42	58.61
2 1/2" x 1/4"	99.97	1182476	37243	695	575	1367	675	532	519	1489
12HD22-6	29.76	4.2614	3.4091	38.52	27.98	60.95	34.86	28.68	28.88	69.56
2 1/2" x 3/8"	145.28	1773713	55865	978	711	1548	885	729	734	1767
13HD22-4	22.33	3.7813	2.7500	32.04	24.89	58.74	30.05	24.20	23.98	64.43
2 3/4" x 1/4"	109.03	1573875	45064	814	632	1492	763	615	609	1637
14HD22-4	24.19	4.9091	3.2727	37.18	27.34	63.70	33.86	27.76	27.87	70.26
3" x 1/4"	118.09	2043318	53630	944	694	1618	860	705	708	1785
14HD22-6	35.32	7.3636	4.9091	53.27	35.01	72.36	45.80	38.88	40.05	80.39
3" x 3/8"	172.46	3064977	80446	1353	889	1838	1163	988	1017	2042
16HD22-4	27.90	7.7955	4.4545	48.80	32.88	73.68	42.48	35.79	36.67	81.93
3 1/2" x 1/4"	136.21	3244713	72997	1240	835	1872	1079	909	931	2081
16HD22-6	40.89	11.6932	6.6818	63.26	43.32	83.86	58.10	50.94	53.25	93.75
3 1/2" x 3/8"	199.65	4867070	109495	1607	1100	2130	1476	1294	1353	2381
18HD22-4	31.61	11.6364	5.8182	62.21	39.27	83.73	52.42	45.06	46.82	93.60
4" x 1/4"	154.34	4843420	95343	1580	997	2127	1332	1145	1189	2377
18HD22-6	46.46	17.4545	8.7273	72.23	52.90	95.41	66.12	63.98	65.75	107.12
4" x 3/8"	226.84	7265130	143014	1835	1344	2423	1679	1625	1670	2721
20HD22-4	35.32	16.5682	7.3636	70.99	46.51	93.82	63.69	55.57	58.33	105.27
4 1/2" x 1/4"	172.46	6896198	120668	1803	1181	2383	1618	1412	1481	2674
20HD22-6	52.03	24.8523	11.0455	81.21	63.77	107.00	74.17	71.91	73.94	120.48
4 1/2" x 3/8"	292.65	11977607	209582	2156	1705	2840	1966	1900	1947	3176
22HD22-4	44.90	26.3158	10.5263	82.38	59.88	108.60	75.16	72.62	74.39	121.37
5" x 1/4"	219.20	10953459	172495	2092	1521	2758	1909	1844	1890	3083
22HD22-6	72.84	52.5395	19.1053	103.64	81.51	136.16	94.28	91.32	93.62	152.77
5" x 3/8"	355.61	21868580	313079	2632	2070	3458	2395	2319	2378	3880

PANEL WIDTHS (inches)																	
# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1/4" Bars	1 5/8	3	4 3/8	5 3/4	7 1/8	8 1/2	9 7/8	11 1/4	12 5/8	14	15 3/8	16 3/4	18 1/8	19 1/2	20 7/8	22 1/4	23 5/8
3/8" Bars	1 3/4	3 1/8	4 1/2	5 7/8	7 1/4	8 5/8	10	11 3/8	12 3/4	14 1/8	15 1/2	16 7/8	18 1/4	19 5/8	21	22 3/8	23 3/4
# Bars	19	20	21	22	23	24	25	26	27								
1/4" Bars	25	26 3/8	27 3/4	29 1/8	30 1/2	31 7/8	33 1/4	34 5/8	36								
3/8" Bars	25 1/8	26 1/2	27 7/8	29 1/4	30 5/8	32	33 3/8	34 3/4	36 1/8								

Table in accordance with NAAMM MBG 532-09