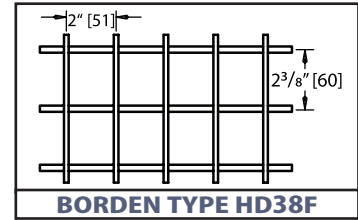
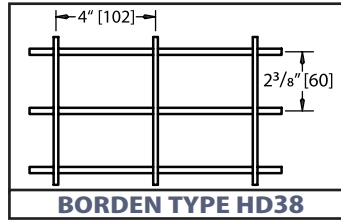


BORDEN GRATINGS

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Heavy Duty Grating

WHEEL LOADS



Grating Type	Weight lbs./ft ² kg/m ²	Moment of Inertia in. ⁴ mm ⁴	Section Modulus in. ³ mm ³	Span (inches) (mm)						
				CL-625 parallel	CL-625 perpendicular	OBC	H20	5 TON	3 ton	Car Traffic
8HD38-4 1 1/2" x 1/4"	8.36	0.3553	0.4737	10.01	14.57	25.97	13.76	9.19	7.75	22.14
	40.82	147872	7762	254	370	660	349	233	197	562
8HD38-6 1 1/2" x 3/8"	11.59	0.5329	0.7105	12.51	15.85	29.55	15.64	11.03	9.88	30.33
	56.56	221808	11643	318	403	751	397	280	251	770
9HD38-4 1 3/4" x 1/4"	9.44	0.5641	0.6447	11.81	15.50	29.94	15.11	10.52	9.28	28.68
	46.07	234815	10565	300	394	760	384	267	236	729
9HD38-6 1 3/4" x 3/8"	13.20	0.8462	0.9671	15.22	17.24	34.73	17.67	13.03	12.18	37.98
	64.43	352222	15848	387	438	882	449	331	309	965
10HD38-4 2" x 1/4"	10.51	0.8421	0.8421	13.90	16.57	34.51	16.68	12.06	11.06	36.24
	51.32	350511	13800	353	421	877	424	306	281	921
10HD38-6 2" x 3/8"	14.81	1.2632	1.2632	18.35	18.85	40.51	20.02	15.34	14.83	46.22
	72.30	525766	20699	466	479	1029	509	390	377	1174
11HD38-4 2 1/4" x 1/4"	11.59	1.1990	1.0658	16.26	17.78	39.68	18.45	13.80	13.06	44.81
	56.56	499067	17465	413	452	1008	469	351	332	1138
11HD38-6 2 1/4" x 3/8"	16.42	1.7985	1.5987	21.90	20.67	46.80	22.68	17.95	17.85	53.30
	80.17	748600	26198	556	525	1189	576	456	453	1354
12HD38-4 2 1/2" x 1/4"	12.66	1.6447	1.3158	18.91	19.13	45.08	20.44	15.75	15.31	51.75
	61.81	684591	21562	480	486	1145	519	400	389	1314
12HD38-6 2 1/2" x 3/8"	18.03	2.4671	1.9737	25.86	22.70	52.49	25.66	20.87	21.21	59.20
	88.04	1026887	32343	657	577	1333	652	530	539	1504
13HD38-4 2 3/4" x 1/4"	13.73	2.1891	1.5921	21.83	20.63	50.63	22.63	17.90	17.79	56.89
	67.06	911191	26090	554	524	1286	575	455	452	1445
14HD38-4 3" x 1/4"	14.81	2.8421	1.8947	25.02	22.27	54.80	25.03	20.26	20.50	62.03
	72.30	1182974	31049	636	566	1392	636	515	521	1575
14HD38-6 3" x 3/8"	21.26	4.2632	2.8421	35.04	27.41	62.10	32.55	27.64	29.00	70.96
	103.78	1774460	46574	890	696	1577	827	702	737	1802
16HD38-4 3 1/2" x 1/4"	16.96	4.5132	2.5789	32.25	25.98	63.22	30.46	25.59	26.64	72.31
	82.80	1878518	42261	819	660	1606	774	650	677	1837
16HD38-6 3 1/2" x 3/8"	24.48	6.7697	3.8684	45.88	32.97	71.81	40.69	35.63	38.21	82.74
	119.52	2817777	63392	1165	838	1824	1033	905	971	2102
18HD38-4 4" x 1/4"	19.11	6.7368	3.3684	40.60	30.26	71.70	36.72	31.74	33.72	82.60
	93.29	2804085	55199	1031	769	1821	933	806	857	2098
18HD38-6 4" x 3/8"	27.70	10.1053	5.0526	58.40	39.40	81.58	50.08	44.86	48.84	94.52
	135.26	4206128	82798	1483	1001	2072	1272	1139	1240	2401
20HD38-4 4 1/2" x 1/4"	21.26	9.5921	4.2632	50.05	35.12	80.23	43.82	38.71	41.75	92.90
	103.78	3992536	69861	1271	892	2038	1113	983	1061	2360
20HD38-6 4 1/2" x 3/8"	30.93	14.3882	6.3947	69.40	46.67	91.39	60.73	55.31	60.88	106.31
	151.00	5988803	104791	1763	1185	2321	1542	1405	1546	2700
22HD38-4 5" x 1/4"	23.41	13.1579	5.2632	60.62	40.54	88.79	51.75	46.50	50.73	103.20
	114.27	5476729	86248	1540	1030	2255	1314	1181	1288	2621
22HD38-6 5" x 3/8"	37.37	26.2697	9.5526	84.73	63.79	111.10	77.64	76.61	80.14	129.90
	182.48	10934290	156540	2152	1620	2822	1972	1946	2035	3299

PANEL WIDTHS (inches)																
# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1/4" Bars	2 5/8	5	7 3/8	9 3/4	12 1/8	14 1/2	16 7/8	19 1/4	21 5/8	24	26 3/8	28 3/4	31 1/8	33 1/2	35 7/8	
3/8" Bars	2 3/4	5 1/8	7 1/2	9 7/8	12 1/4	14 5/8	17	19 3/8	21 3/4	24 1/8	26 1/2	28 7/8	31 1/4	33 5/8	36	