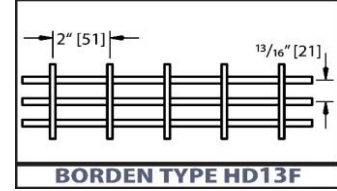
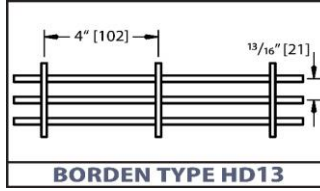




www.bordengratings.com

Heavy Duty Grating

WHEEL LOADS



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>4HD13-4</b>	14.48	0.3077	0.6154	10.80	14.63	12.80	15.39	4.84	7.31	14.27	9.34	7.55	8.74	17.22
1"x1/4"	70.69	128071	10084	274	372	325	391	123	186	362	237	192	222	437
<b>6HD13-4</b>	17.62	0.6010	0.9615	14.06	16.11	17.23	17.40	6.23	10.10	16.66	11.50	9.83	12.52	24.10
1 1/4"x1/4"	86.02	250139	15757	357	409	438	442	158	257	423	292	250	318	612
<b>8HD13-4</b>	20.76	1.0385	1.3846	18.04	17.92	22.64	19.86	7.93	13.50	19.60	14.15	12.62	17.16	31.22
1 1/2"x1/4"	101.36	432240	22690	458	455	575	504	201	343	498	359	321	436	793
<b>9HD13-4</b>	23.90	1.6490	1.8846	22.75	20.05	29.04	22.77	9.94	17.53	23.06	17.27	15.91	22.63	39.04
1 3/4"x1/4"	116.70	686382	30883	578	509	738	578	253	445	586	439	404	575	992
<b>10HD13-4</b>	27.04	2.4615	2.4615	28.19	22.52	36.43	26.12	12.27	22.17	27.06	20.87	19.71	28.94	47.48
2"x1/4"	132.03	1024570	40337	716	572	925	663	312	563	687	530	501	735	1206
<b>11HD13-4</b>	30.18	3.5048	3.1154	34.35	25.31	44.69	29.92	14.90	27.43	31.59	24.95	24.02	36.10	54.26
2 1/4"x1/4"	147.37	1458811	51052	872	643	1135	760	378	697	802	634	610	917	1378
<b>12HD13-4</b>	33.32	4.8077	3.8462	41.23	28.44	51.45	34.17	17.84	33.31	36.66	29.51	28.83	44.10	60.24
2 1/2"x1/4"	162.70	2001113	63027	1047	722	1307	868	453	846	931	750	732	1120	1530
<b>13HD13-4</b>	36.47	6.3990	4.6538	48.84	31.89	56.54	38.87	21.09	39.81	42.26	34.56	34.15	52.94	66.22
2 3/4"x1/4"	178.04	2663481	76263	1240	810	1436	987	536	1011	1073	878	867	1345	1682
<b>14HD13-4</b>	39.61	8.3077	5.5385	55.71	35.67	61.63	44.01	24.65	46.93	48.39	40.08	39.98	58.31	72.20
3"x1/4"	193.38	3457923	90759	1415	906	1566	1118	626	1192	1229	1018	1015	1481	1834
<b>16HD13-4</b>	45.89	13.1923	7.5385	64.90	44.21	71.83	55.63	32.69	61.40	59.42	52.57	53.15	68.01	84.18
3 1/2"x1/4"	224.05	5491053	123533	1649	1123	1824	1413	830	1560	1509	1335	1350	1728	2138
<b>18HD13-4</b>	52.17	19.6923	9.8462	74.11	54.08	82.03	64.25	41.98	70.16	67.63	64.71	65.70	77.72	96.17
4"x1/4"	254.72	8196557	161350	1882	1374	2084	1632	1066	1782	1718	1644	1669	1974	2443
<b>20HD13-4</b>	58.45	28.0385	12.4615	83.32	65.23	92.24	71.97	52.50	78.91	75.88	72.73	73.88	87.42	108.16
4 1/2"x1/4"	285.39	11670489	204208	2116	1657	2343	1828	1333	2004	1927	1847	1877	2221	2747
<b>22HD13-4</b>	64.73	38.4615	15.3846	92.54	72.20	102.46	79.74	64.26	87.67	84.14	80.76	82.07	97.13	120.15
5"x1/4"	316.06	16008901	252109	2351	1834	2602	2025	1632	2227	2137	2051	2085	2467	3052

PANEL WIDTHS (inches)														
# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1/4" Bars	1 1/16	1 7/8	2 11/16	3 1/2	4 5/16	5 1/8	5 15/16	6 3/4	7 9/16	8 3/8	9 3/16	10	10 13/16	11 5/8
# Bars	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1/4" Bars	12 7/16	13 1/4	14 1/16	14 7/8	15 11/16	16 1/2	17 5/16	18 1/8	18 15/16	19 3/4	20 9/16	21 3/8	22 3/16	23
# Bars	30	31	32	33	34	35	36	37	38	39	40	41	42	43
1/4" Bars	23 13/16	24 5/8	25 7/16	26 1/4	27 1/16	27 7/8	28 11/16	29 1/2	30 5/16	31 1/8	31 15/16	32 3/4	33 9/16	34 3/8
# Bars	44	45												
1/4" Bars	35 3/16	36												

Table compiled as per ANSI/NAAMM MBG 534-14

Revised April 2019