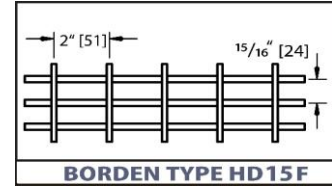
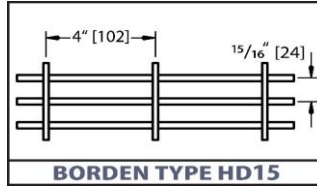




www.bordengratings.com

Heavy Duty Grating

WHEEL LOADS



Grating type	Weight lbs./ft ² kg/m ²	I in. ⁴ mm ⁴	S in. ³ mm ³	CL-625		OBC				H20	5 TON	3 ton	1 ton	Car
				Span L in. mm	Span L in. mm	> 9000 kg		4000<veh	4000>veh					
						parallel	perpendicular							
4HD15-4	12.80	0.2667	0.5333	10.07	14.33	11.81	14.98	4.59	6.82	13.74	8.90	7.11	8.10	14.51
1"x1/4"	62.51	110995	8740	256	364	300	380	117	173	349	226	181	206	369
6HD15-4	15.53	0.5208	0.8333	12.93	15.64	15.69	16.76	5.85	9.33	15.84	10.81	9.15	11.53	20.15
1 1/4"x1/4"	75.80	216787	13656	328	397	399	426	149	237	402	274	232	293	512
8HD15-4	18.25	0.9000	1.2000	16.41	17.24	20.43	18.94	7.38	12.40	18.41	13.14	11.63	15.72	27.03
1 1/2"x1/4"	89.09	374608	19664	417	438	519	481	187	315	468	334	295	399	687
9HD15-4	20.97	1.4292	1.6333	20.54	19.13	26.03	21.51	9.19	16.02	21.45	15.90	14.57	20.67	34.75
1 3/4"x1/4"	102.38	594864	26766	522	486	661	546	233	407	545	404	370	525	883
10HD15-4	23.69	2.1333	2.1333	25.29	21.31	32.50	24.48	11.28	20.20	24.96	19.08	17.96	26.39	42.23
2"x1/4"	115.67	887960	34959	642	541	825	622	287	513	634	485	456	670	1073
11HD15-4	26.41	3.0375	2.7000	30.68	23.79	39.82	27.85	13.65	24.94	28.93	22.69	21.80	32.87	50.13
2 1/4"x1/4"	128.96	1264303	44245	779	604	1011	707	347	634	735	576	554	835	1273
12HD15-4	29.14	4.1667	3.3333	36.70	26.55	48.01	31.61	16.30	30.24	33.37	26.72	26.09	40.11	55.65
2 1/2"x1/4"	142.26	1734298	54624	932	674	1219	803	414	768	848	679	663	1019	1413
13HD15-4	31.86	5.5458	4.0333	43.36	29.61	54.11	35.77	19.23	36.10	38.28	31.18	30.84	48.11	61.17
2 3/4"x1/4"	155.55	2308350	66094	1101	752	1374	909	488	917	972	792	783	1222	1554
14HD15-4	34.58	7.2000	4.8000	50.66	32.95	58.98	40.32	22.43	42.51	43.65	36.06	36.03	56.40	66.69
3"x1/4"	168.84	2996866	78658	1287	837	1498	1024	570	1080	1109	916	915	1433	1694
16HD15-4	40.03	11.4333	6.5333	62.11	40.52	68.73	50.62	29.68	57.00	55.81	47.10	47.78	65.79	77.75
3 1/2"x1/4"	195.42	4758913	107062	1577	1029	1746	1286	754	1448	1417	1196	1214	1671	1975
18HD15-4	45.47	17.0667	8.5333	70.91	49.25	78.49	61.81	38.05	67.77	64.81	59.84	61.33	75.18	88.81
4"x1/4"	222.00	7103683	139836	1801	1251	1994	1570	966	1721	1646	1520	1558	1910	2256
20HD15-4	50.91	24.3000	10.8000	79.72	59.14	88.25	69.22	47.53	76.23	72.69	69.84	71.13	84.57	99.88
4 1/2"x1/4"	248.58	10114424	176980	2025	1502	2242	1758	1207	1936	1846	1774	1807	2148	2537
22HD15-4	56.36	33.3333	13.3333	88.54	69.44	98.02	76.66	58.12	84.69	80.59	77.54	79.01	93.96	110.95
5"x1/4"	275.17	13874381	218494	2249	1764	2490	1947	1476	2151	2047	1970	2007	2387	2818

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

Table compiled as per ANSI/NAAMM MBG 534-14

Revised April 2019