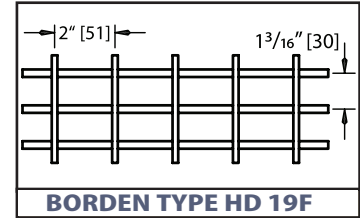
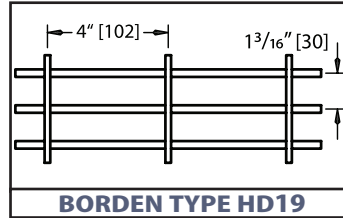


Heavy Duty Grating



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)						
				CL-625 parallel	perpendicular	OBC	H20	5 TON	3 ton	Car Frame
8HD19-4	14.81	0.7105	0.9474	14.18	16.31	31.80	16.79	11.77	10.28	31.55
1 1/2" x 1/4"	72.30	295743	15525	360	414	808	427	299	261	801
8HD19-6	21.26	1.0658	1.4211	18.78	18.46	36.86	20.19	14.90	13.67	38.43
1 1/2" x 3/8"	103.78	443615	23287	477	469	936	513	378	347	976
9HD19-4	16.96	1.1283	1.2895	17.50	17.87	37.67	19.25	14.03	12.73	39.51
1 3/4" x 1/4"	82.80	469630	21131	445	454	957	489	356	323	1004
9HD19-6	24.48	1.6924	1.9342	23.75	20.80	44.30	23.87	18.29	17.35	48.21
1 3/4" x 3/8"	119.52	704444	31696	603	528	1125	606	465	441	1225
10HD19-4	19.11	1.6842	1.6842	21.33	19.66	44.21	22.08	16.64	15.56	48.10
2" x 1/4"	93.29	701021	27599	542	499	1123	561	423	395	1222
10HD19-6	27.70	2.5263	2.5263	29.49	23.49	51.74	28.12	22.21	21.59	55.71
2" x 3/8"	135.26	1051532	41399	749	597	1314	714	564	548	1415
11HD19-4	21.26	2.3980	2.1316	25.67	21.70	50.93	25.29	19.60	18.76	54.76
2 1/4" x 1/4"	103.78	998134	34930	652	551	1294	642	498	477	1391
11HD19-6	30.93	3.5970	3.1974	36.00	26.54	57.63	32.93	26.65	26.39	62.63
2 1/4" x 3/8"	151.00	1497201	52395	914	674	1464	836	677	670	1591
12HD19-4	23.41	3.2895	2.6316	30.51	23.97	56.06	28.87	22.91	22.34	60.80
2 1/2" x 1/4"	114.27	1369182	43124	775	609	1424	733	582	567	1544
12HD19-6	34.15	4.9342	3.9474	43.27	29.96	63.56	38.31	31.61	31.76	69.56
2 1/2" x 3/8"	166.74	2053773	64686	1099	761	1614	973	803	807	1767
13HD19-4	25.55	4.3783	3.1842	35.87	26.48	61.24	32.84	26.56	26.30	66.85
2 3/4" x 1/4"	124.77	1822382	52180	911	673	1556	834	675	668	1698
14HD19-4	27.70	5.6842	3.7895	41.74	29.24	66.44	37.18	30.57	30.63	72.89
3" x 1/4"	135.26	2365947	62098	1060	743	1688	944	776	778	1852
14HD19-6	40.60	8.5263	5.6842	56.73	37.86	75.53	50.76	43.10	44.19	83.42
3" x 3/8"	198.22	3548921	93148	1441	962	1918	1289	1095	1123	2119
16HD19-4	32.00	9.0263	5.1579	55.01	35.46	76.91	46.99	39.62	40.43	85.02
3 1/2" x 1/4"	156.25	3757036	84523	1397	901	1954	1194	1006	1027	2160
16HD19-6	47.05	13.5395	7.7368	66.07	47.19	87.58	60.58	56.68	58.89	97.28
3 1/2" x 3/8"	229.70	5635554	126784	1678	1199	2225	1539	1440	1496	2471
18HD19-4	36.30	13.4737	6.7368	65.96	42.65	87.44	58.31	50.06	51.73	97.12
4" x 1/4"	177.23	5608171	110397	1675	1083	2221	1481	1272	1314	2467
18HD19-6	53.49	20.2105	10.1053	75.45	57.97	99.67	68.97	66.52	68.14	111.15
4" x 3/8"	261.18	8412256	165596	1916	1472	2532	1752	1690	1731	2823
20HD19-4	40.60	19.1842	8.5263	74.16	50.79	97.98	67.81	61.90	64.54	109.24
4 1/2" x 1/4"	198.22	7985071	139721	1884	1290	2489	1722	1572	1639	2775
20HD19-6	59.94	28.7763	12.7895	84.86	67.12	111.81	77.38	74.80	76.64	125.05
4 1/2" x 3/8"	292.65	11977607	209582	2156	1705	2840	1966	1900	1947	3176
22HD19-4	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
22HD19-6	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 7/16	2 5/8	3 13/16	5	6 3/16	7 3/8	8 9/16	9 3/4	10 15/16	12 1/8	13 5/16	14 1/2	15 11/16	16 7/8	18 1/16	19 1/4	20 7/16
3/8" Bars	1 9/16	2 3/4	3 15/16	5 1/8	6 5/16	7 1/2	8 11/16	9 7/8	11 1/16	12 1/4	13 7/16	14 5/8	15 13/16	17	18 3/16	19 3/8	20 9/16
# Bars	19	20	21	22	23	24	25	26	27	28	29	30	31	15	16	17	18
1/4" Bars	21 7/8	22 13/16	24	25 3/16	26 3/8	27 9/16	28 3/4	29 15/16	31 1/8	32 5/16	33 1/2	34 11/16	35 7/8				
3/8" Bars	21 3/4	22 15/16	24 1/8	25 5/16	26 1/2	27 11/16	28 7/8	30 1/16	31 1/4	32 7/16	33 5/8	34 13/16	36				