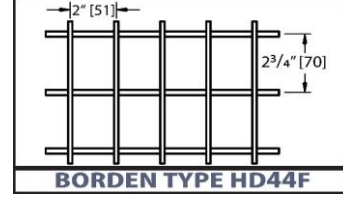
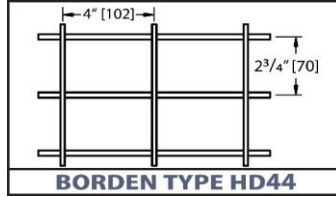




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Heavy Duty Grating

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		Span L in. mm	Span L in. mm						Span L in. mm	Span L in. mm
						parallel	perpendicular									
4HD44-4 1"x1/4"	5.63 27.47	0.0909 37839	0.1818 2979	6.97 177	13.04 331	7.61 193	13.23 336	3.54 90	4.72 120	11.49 292	6.98 177	5.24 133	5.36 136	9.05 230		
6HD44-4 1 1/4"x1/4"	6.55 32.00	0.1776 73905	0.2841 4655	8.08 205	13.62 346	9.12 232	14.02 356	4.20 107	6.04 154	12.32 313	7.82 199	6.21 158	7.25 184	11.61 295		
8HD44-4 1 1/2"x1/4"	7.48 36.53	0.3068 127707	0.4091 6704	9.44 240	14.33 364	10.96 278	14.99 381	5.01 127	7.66 195	13.34 339	8.84 224	7.41 188	9.56 243	14.74 374		
8HD44-6 1 1/2"x3/8"	10.27 50.12	0.4602 191561	0.6136 10056	11.65 296	15.50 394	13.98 355	16.58 421	6.34 161	10.31 262	15.02 381	10.51 267	9.36 238	13.34 339	19.86 505		
9HD44-4 1 3/4"x1/4"	8.41 41.06	0.4872 202795	0.5568 9125	11.04 280	15.17 385	13.14 334	16.14 410	5.97 152	9.58 243	14.55 370	10.04 255	8.82 224	12.29 312	18.44 468		
9HD44-6 1 3/4"x3/8"	11.66 56.92	0.7308 304192	0.8352 13687	14.06 357	16.76 426	17.25 438	18.31 465	7.77 197	13.18 335	16.83 427	12.32 313	11.47 291	17.44 443	25.41 645		
10HD44-4 2"x1/4"	9.34 45.59	0.7273 302714	0.7273 11918	12.89 327	16.14 410	15.66 398	17.47 444	7.07 180	11.79 299	15.94 405	11.43 290	10.44 265	15.44 392	22.71 577		
10HD44-6 2"x3/8"	13.05 63.72	1.0909 454071	1.0909 17877	16.83 427	18.22 463	21.03 534	20.30 516	9.43 240	16.50 419	18.92 480	14.40 366	13.91 353	22.17 563	31.81 808		
11HD44-4 2 1/4"x1/4"	10.27 50.12	1.0355 431012	0.9205 15084	14.98 381	17.24 438	18.51 470	18.97 482	8.33 211	14.29 363	17.52 445	13.01 330	12.29 312	19.02 483	27.55 700		
11HD44-6 2 1/4"x3/8"	14.44 70.51	1.5533 646519	1.3807 22625	19.97 507	19.87 505	25.30 643	22.55 573	11.31 287	20.25 514	21.28 541	16.77 426	16.68 424	27.52 699	39.07 992		
12HD44-4 2 1/2"x1/4"	11.19 54.66	1.4205 591238	1.1364 18622	17.32 440	18.47 469	21.70 551	20.65 524	9.72 247	17.09 434	19.29 490	14.77 375	14.35 364	23.01 584	32.95 837		
12HD44-6 2 1/2"x3/8"	15.83 77.31	2.1307 886857	1.7045 27932	23.48 596	21.71 551	30.09 764	25.07 637	13.41 341	24.45 621	23.93 608	19.41 493	19.77 502	33.51 851	47.18 1198		
13HD44-4 2 3/4"x1/4"	12.12 59.19	1.8906 786938	1.3750 22532	19.91 506	19.83 504	25.22 641	22.51 572	11.27 286	20.18 513	21.24 539	16.72 425	16.63 422	27.42 696	38.93 989		
14HD44-4 3"x1/4"	13.05 63.72	2.4545 1021659	1.6364 26815	22.74 578	21.32 542	29.08 739	24.54 623	12.96 329	23.57 599	23.37 594	18.85 479	19.12 486	32.25 819	45.47 1155		
14HD44-6 3"x3/8"	18.62 90.90	3.6818 1532488	2.4545 40223	31.62 803	25.99 660	41.16 1045	30.90 785	18.26 464	34.17 868	30.06 764	25.53 648	26.93 684	47.37 1203	58.75 1492		
16HD44-4 3 1/2"x1/4"	14.91 72.78	3.8977 1622357	2.2273 36498	29.15 740	24.69 627	37.80 960	29.13 740	16.79 427	31.22 793	28.20 716	23.68 601	24.76 629	43.17 1097	59.87 1521		
16HD44-6 3 1/2"x3/8"	21.40 104.50	5.8466 2433535	3.3409 54748	41.23 1047	31.04 788	54.24 1378	37.80 960	24.01 610	45.65 1160	37.31 948	32.76 832	35.39 899	61.77 1569	68.48 1739		
18HD44-4 4"x1/4"	16.76 81.84	5.8182 2421710	2.9091 47671	36.55 928	28.58 726	47.87 1216	34.44 875	21.21 539	40.06 1017	33.78 858	29.24 743	31.27 794	55.78 1417	68.36 1736		
18HD44-6 4"x3/8"	24.19 118.09	8.7273 3632565	4.3636 71507	52.32 1329	36.86 936	65.68 1668	45.75 1162	30.63 778	58.90 1496	45.66 1160	41.11 1044	45.15 1147	70.59 1793	78.21 1986		
20HD44-4 4 1/2"x1/4"	18.62 90.90	8.2841 3448099	3.6818 60334	44.93 1141	32.98 838	59.28 1506	40.45 1027	26.22 666	50.07 1272	40.09 1018	35.54 903	38.65 982	69.37 1762	76.87 1952		
20HD44-6 4 1/2"x3/8"	26.97 131.68	12.4261 5172148	5.5227 90501	64.89 1648	43.47 1104	73.83 1875	54.77 1391	38.14 969	70.56 1792	55.14 1400	50.57 1284	56.22 1428	79.40 2017	87.94 2234		
22HD44-4 5"x1/4"	20.47 99.97	11.3636 4729903	4.5455 74487	54.29 1379	37.90 963	71.68 1821	47.16 1198	31.81 808	61.26 1556	47.15 1198	42.59 1082	46.89 1191	77.07 1958	85.37 2168		
22HD44-6 5"x3/8"	30.39 148.39	17.0455 7094854	6.8182 111730	74.03 1880	50.85 1292	81.99 2083	64.84 1647	46.54 1182	78.39 1991	65.73 1669	61.14 1553	68.58 1742	88.22 2241	97.68 2481		

PANEL WIDTHS (inches)														
# Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	
1/4" Bars	3	5 3/4	8 1/2	11 1/4	14	16 3/4	19 1/2	22 1/4	25	27 3/4	30 1/2	33 1/4	36	
3/8" Bars	3 1/8	5 7/8	8 5/8	11 3/8	14 1/8	16 7/8	19 5/8	22 3/8	25 1/8	27 7/8	30 5/8	33 3/8	36 1/8	

Table compiled as per ANSI/NAAMM MBG 534-14

Revised April 2019