



14HD19-6	3"x3/8"	41.24	8.5263	5.6842	U	18947	12126	8421	6187	4737	3743	3032	2505	2105	1794	1547	1184	936
		43.79			Du	0.028	0.043	0.062	0.084	0.11	0.14	0.172	0.209	0.248	0.291	0.338	0.441	0.559
	3 1/2"x1/4"	32.00	9.0263	5.1579	C	18947	15158	12632	10827	9474	8421	7579	6890	6316	5830	5414	4737	4211
		33.92			Dc	0.022	0.034	0.05	0.068	0.088	0.112	0.138	0.167	0.199	0.233	0.27	0.353	0.447
16HD19-4	3 1/2"x3/8"	47.68	13.5395	7.7368	U	17193	11004	7641	5614	4298	3396	2751	2273	1910	1628	1404	1075	849
		50.24			Du	0.024	0.037	0.053	0.072	0.095	0.12	0.148	0.179	0.213	0.25	0.29	0.378	0.479
	4"x1/4"	36.30	13.4737	6.7368	C	17193	13754	11462	9825	8596	7641	6877	6252	5731	5290	4912	4298	3821
		38.21			Dc	0.019	0.03	0.043	0.058	0.076	0.096	0.118	0.143	0.17	0.2	0.232	0.303	0.383
18HD19-4	4"x3/8"	54.13	20.2105	10.1053	U	25789	16505	11462	8421	6447	5094	4126	3410	2865	2442	2105	1612	1274
		56.68			Du	0.024	0.037	0.053	0.072	0.095	0.12	0.148	0.179	0.213	0.25	0.29	0.378	0.479
	4 1/2"x1/4"	40.60	19.1842	8.5263	C	25789	20632	17193	14737	12895	11462	10316	9378	8596	7935	7368	6447	5731
		42.51			Dc	0.019	0.03	0.043	0.058	0.076	0.096	0.118	0.143	0.17	0.2	0.232	0.303	0.383
20HD19-4	4 1/2"x3/8"	60.58	28.7763	12.7895	U	22456	14372	9981	7333	5614	4436	3593	2969	2495	2126	1833	1404	1109
		63.13			Du	0.021	0.032	0.047	0.063	0.083	0.105	0.129	0.156	0.186	0.219	0.253	0.331	0.419
	5"x1/4"	44.90	26.3158	10.5263	C	22456	17965	14971	12832	11228	9981	8982	8166	7485	6910	6416	5614	4990
		46.81			Dc	0.017	0.026	0.037	0.051	0.066	0.084	0.103	0.125	0.149	0.175	0.203	0.265	0.335
22HD19-4	5"x3/8"	67.03	39.4737	15.7895	U	33684	21558	14971	10999	8421	6654	5389	4454	3743	3189	2750	2105	1663
		69.58			Du	0.021	0.032	0.047	0.063	0.083	0.105	0.129	0.156	0.186	0.219	0.253	0.331	0.419
	5 1/2"x1/4"	40.60	19.1842	8.5263	C	33684	26947	22456	19248	16842	14971	13474	12249	11228	10364	9624	8421	7485
		42.51			Dc	0.017	0.026	0.037	0.051	0.066	0.084	0.103	0.125	0.149	0.175	0.203	0.265	0.335
20HD19-6	4 1/2"x1/4"	40.60	19.1842	8.5263	U	28421	18189	12632	9280	7105	5614	4547	3758	3158	2691	2320	1776	1404
		42.51			Du	0.018	0.029	0.041	0.056	0.074	0.093	0.115	0.139	0.166	0.194	0.225	0.294	0.372
	4 1/2"x3/8"	60.58	28.7763	12.7895	C	28421	22737	18947	16241	14211	12632	11368	10335	9474	8745	8120	7105	6316
		63.13			Dc	0.015	0.023	0.033	0.045	0.059	0.074	0.092	0.111	0.132	0.155	0.18	0.235	0.298
22HD19-6	5"x1/4"	44.90	26.3158	10.5263	U	42632	27284	18947	13921	10658	8421	6821	5637	4737	4036	3480	2664	2105
		46.81			Du	0.018	0.029	0.041	0.056	0.074	0.093	0.115	0.139	0.166	0.194	0.225	0.294	0.372
	5"x3/8"	67.03	39.4737	15.7895	C	42632	34105	28421	24361	21316	18947	17053	15502	14211	13117	12180	10658	9474
		69.58			Dc	0.015	0.023	0.033	0.045	0.059	0.074	0.092	0.111	0.132	0.155	0.18	0.235	0.298
22HD19-6	5"x1/4"	44.90	26.3158	10.5263	U	35088	22456	15595	11457	8772	6931	5614	4640	3899	3322	2864	2193	1733
		46.81			Du	0.017	0.026	0.037	0.051	0.066	0.084	0.103	0.125	0.149	0.175	0.203	0.265	0.335
	5"x3/8"	67.03	39.4737	15.7895	C	35088	28070	23392	20050	17544	15595	14035	12759	11696	10796	10025	8772	7797
		69.58			Dc	0.013	0.021	0.03	0.041	0.053	0.067	0.083	0.1	0.119	0.14	0.162	0.212	0.268
22HD19-6	5"x3/8"	67.03	39.4737	15.7895	U	52632	33684	23392	17186	13158	10396	8421	6960	5848	4983	4296	3289	2599
		69.58			Du	0.017	0.026	0.037	0.051	0.066	0.084	0.103	0.125	0.149	0.175	0.203	0.265	0.335
	5 1/2"x1/4"	40.60	19.1842	8.5263	C	52632	42105	35088	30075	26316	23392	21053	19139	17544	16194	15038	13158	11696
		42.51			Dc	0.013	0.021	0.03	0.041	0.053	0.067	0.083	0.1	0.119	0.14	0.162	0.212	0.268

All loads and deflections are based on gross sections and nominal sizes of bearing bars. The values listed are for design selection only and are not intended to be "absolute".

Actual load capacity will be affected slightly by variations which can be expected due to material and manufacturing tolerances.

1/4" is considered the maximum deflection which is consistent with pedestrian comfort, but may be exceeded for other application at the discretion of the Engineer.

When serrated gratings are specified, increase the depth of the grating selected from the table by 1/4" to allow for the serrations.

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

Table compiled as per ANSI/NAAMM MBG 534-14

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