


SERIES TYPE & NAME	BB HEIGHT & THICKNESS	#/SF		LOAD	CLEAR SPAN																		
		10-P-4	10-P-2		12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"
GCM-3-75-A	3/4" x 1/8"	2.4	2.9	U	1800	800	450	288	200	<b>147</b>	113	89	72	60	50	43	37	32	28	25	22	20	18
				D	0.048	0.108	0.192	0.300	0.432	0.588	0.771	0.973	1.200	1.464	1.727	2.046	2.368	2.699	3.057	3.479	3.848	4.343	4.799
				C	900	600	450	360	300	<b>257</b>	225	200	180	164	150	138	129	120	113	106	100	95	90
				D	0.038	0.086	0.154	0.240	0.345	<b>0.470</b>	0.614	0.777	0.960	1.164	1.382	1.617	1.887	2.159	2.468	2.777	3.109	3.474	3.839
GCM-3-100-A	1" x 1/8"	3.1	3.6	U	3200	1422	800	512	356	<b>261</b>	200	158	128	106	89	76	65	57	50	44	40	35	32
				D	0.036	0.081	0.144	0.225	0.324	0.441	0.576	0.729	0.900	1.091	1.298	1.526	1.756	2.029	2.304	2.584	2.952	3.207	3.600
				C	1600	1067	800	640	533	457	<b>400</b>	356	320	291	267	246	229	213	200	188	178	168	160
				D	0.029	0.065	0.115	0.180	0.259	0.353	<b>0.461</b>	0.584	0.720	0.871	1.038	1.216	1.414	1.617	1.843	2.078	2.336	2.593	2.880
GCM-3-125-A	1-1/4" x 1/8"	5.9	6.4	U	5000	2222	1250	800	556	408	<b>313</b>	247	200	165	139	118	102	89	78	69	62	55	50
				D	0.029	0.065	0.115	0.180	0.259	0.353	0.462	0.583	0.720	0.870	1.038	1.213	1.411	1.622	1.840	2.075	2.343	2.581	2.880
				C	2500	1667	1250	1000	833	714	625	556	<b>500</b>	455	417	385	357	333	313	294	278	263	250
				D	0.023	0.052	0.092	0.144	0.207	0.282	0.369	0.467	<b>0.576</b>	0.698	0.830	0.974	1.129	1.295	1.477	1.664	1.868	2.078	2.304
GCM-3--150-A	1-1/2" x 1/8"	4.7	5.2	U	7200	3200	1800	1152	800	588	450	356	<b>288</b>	238	200	170	147	128	113	100	89	80	72
				D	0.024	0.054	0.096	0.150	0.216	0.294	0.384	0.487	0.600	0.726	0.864	1.012	1.176	1.350	1.543	1.740	1.946	2.172	2.400
				C	3600	2400	1800	1440	1200	1029	900	800	720	<b>655</b>	600	554	514	480	450	424	400	379	360
				D	0.019	0.043	0.077	0.120	0.173	0.235	0.307	0.389	0.480	<b>0.581</b>	0.691	0.811	0.940	1.080	1.229	1.389	1.555	1.733	1.920

**U** - Uniform Load - Lbs. per Square Foot  
**D** - Deflection - in Inches  
**C** - Concentrated Load - Lbs. per Square Foot of Width at Mid Span

- Spans and loading values to the left of the bolded black line produce a deflection of 1/4" or less under a uniform load of 100 lbs. per square foot, allowing for safe pedestrian comfort. Span and loading values to the right of the bolded black line are applicable to other types of loads at the discretion of a licensed engineer.
  - For Grating with a serrated surface (1" bearing bar height or taller), subtract 1/4" from the bearing bar height requirement and reference that loading information listed in the table. For example, a 1-1/2" x 1/8" serrated bearing bar height and thickness would have the same strength and loading values as a 1-1/4" x 1/8" smooth (non-serrated) bearing bar height and thickness.
  - Loading and deflection values are theoretical and based on a maximum allowable fiber stress of 12,000 PSI, E = 10,000,000 PSI.
  - Technical information provided is theoretical and for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.
-  ADA-Compliant product when direction of bearing bars (span) installed perpendicular to the dominant direction of travel.

