

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"	7.1	8.1	U	2700	1200	675	432	300	220	169	133	108	89	75	64	55	48	42	37	33	30	27
				D	0.025	0.056	0.099	0.155	0.223	0.303	0.398	0.501	0.621	0.749	0.894	1.050	1.214	1.396	1.581	1.775	1.990	2.246	2.482
				C	1350	900	675	540	450	386	338	300	270	245	225	208	193	180	169	159	150	142	135
				D	0.020	0.045	0.079	0.124	0.179	0.243	0.318	0.402	0.496	0.600	0.715	0.840	0.974	1.117	1.273	1.436	1.608	1.791	1.986
GCM-3-100-A	1" x 1/8"	9.0	10.0	U	4800	2133	1200	768	533	392	300	237	192	159	133	114	98	85	75	66	59	53	48
				D	0.019	0.042	0.074	0.116	0.167	0.228	0.298	0.377	0.466	0.564	0.669	0.789	0.913	1.043	1.192	1.337	1.502	1.675	1.862
				C	2400	1600	1200	960	800	686	600	533	480	436	400	369	343	320	300	282	267	253	240
				D	0.015	0.034	0.060	0.093	0.134	0.183	0.238	0.301	0.372	0.450	0.536	0.629	0.730	0.838	0.953	1.075	1.208	1.346	1.490
GCM-3-125-A	1-1/4" x 1/8"	11.2	12.2	U	7500	3333	1875	1200	833	612	469	370	300	248	208	178	153	133	117	104	93	83	75
				D	0.015	0.034	0.060	0.093	0.134	0.182	0.238	0.301	0.372	0.451	0.535	0.631	0.730	0.836	0.952	1.078	1.212	1.343	1.490
				C	3750	2500	1875	1500	1250	1071	938	833	750	682	625	577	536	500	469	441	417	395	375
				D	0.012	0.027	0.048	0.074	0.107	0.146	0.191	0.241	0.298	0.361	0.429	0.504	0.584	0.670	0.763	0.861	0.966	1.076	1.192
GCM-3-150-A	1-1/2" x 1/8"	13.5	14.8	U	10800	4800	2700	1728	1200	882	675	533	432	357	300	256	220	192	169	149	133	120	108
				D	0.012	0.028	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.375	0.447	0.525	0.607	0.698	0.796	0.894	1.003	1.123	1.241
				C	5400	3600	2700	2160	1800	1543	1350	1200	1080	982	900	831	771	720	675	635	600	568	540
				D	0.010	0.022	0.040	0.062	0.089	0.122	0.159	0.201	0.248	0.300	0.358	0.420	0.486	0.559	0.636	0.717	0.804	0.896	0.993

**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 18,000 PSI, E = 29,000,000 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.

