


SERIES TYPE & NAME	BB HEIGHT & THICKNESS	#/SF		LOAD	CLEAR SPAN																		
		11-W-4	11-W-2		12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"
CMW-4-100	1" x 3/16"	11.9	13.3	U	6546	2909	1637	1047	727	534	409	323	262	216	182	155	134	116	102	91	81	73	65
				D	0.019	0.042	0.075	0.116	0.168	0.228	0.298	0.377	0.466	0.562	0.671	0.787	0.915	1.044	1.189	1.352	1.512	1.692	1.849
				C	3273	2182	1637	1309	1091	935	818	727	655	595	546	504	468	436	409	385	364	345	327
				D	0.015	0.034	0.060	0.093	0.134	0.182	0.238	0.302	0.373	0.451	0.537	0.630	0.731	0.837	0.953	1.076	1.208	1.347	1.489
CMW-4-125	1-1/4" x 3/16"	14.8	16.2	U	10228	4546	2557	1636	1136	835	639	505	409	338	284	242	209	182	160	142	126	113	102
				D	0.015	0.034	0.060	0.093	0.134	0.182	0.238	0.302	0.372	0.450	0.536	0.629	0.731	0.839	0.955	1.080	1.204	1.341	1.486
				C	5114	3409	2557	2046	1705	1461	1278	1136	1023	930	852	787	731	682	639	602	568	538	511
				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	0.762	0.862	0.965	1.075	1.191
CMW-4-150	1-1/2" x 3/16"	17.8	19.7	U	14728	6546	3682	2356	1636	1202	920	727	589	487	409	349	301	262	230	204	182	163	147
				D	0.012	0.028	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.525	0.609	0.699	0.794	0.898	1.006	1.119	1.239
				C	7364	4909	3682	2946	2455	2104	1841	1636	1473	1339	1227	1133	1052	982	920	866	818	775	736
				D	0.010	0.022	0.040	0.062	0.089	0.122	0.159	0.201	0.248	0.300	0.357	0.420	0.487	0.559	0.635	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 3/16" serrated bearing bar height and thickness would have the same strength and loading values as a 1-1/4" x 3/16" 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.

