

GAUGE	DEPTH (mm)	#/LF (kg/m)	LOAD	CLEAR SPAN																	
				24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
11	2" (50.8)	8.5 (12.6)	U	1624	1039	721	530	405	320	259	214	182	153	132	115	102	80	66	54	45	
			D	0.05	0.08	0.11	0.15	0.19	0.24	0.30	0.35	0.41	0.47	0.54	0.62	0.69	0.85	1.04	1.24	145	
			C	1860	1488	1244	1063	930	827	744	677	620	572	531	496	465	413	372	338	310	
	2-1/2" (63.5)	8.9 (13.2)	U	2460	1615	1093	804	615	485	393	325	214	233	201	175	153	122	99	83	68	
			D	0.05	0.07	0.10	0.14	0.18	0.23	0.27	0.32	0.36	0.42	0.49	0.55	0.62	0.79	0.96	1.15	1.35	
			C	2820	2256	1880	1611	1410	1254	1128	1025	940	868	806	752	705	626	564	513	470	
	3" (76.2)	9.3 (13.8)	U	2618	1676	1164	855	655	516	419	347	290	248	214	186	163	130	104	87	73	
			D	0.04	0.06	0.08	0.11	0.15	0.18	0.22	0.26	0.30	0.34	0.39	0.44	0.48	0.58	0.68	0.80	0.95	
			C	3000	2400	2000	1715	1500	1333	1180	1091	1000	923	857	800	750	667	600	545	500	
	4" (101.6)	10.1 (15.0)	U	4293	2748	1909	1402	1075	849	689	568	476	408	351	306	268	212	172	141	118	
			D	0.03	0.05	0.07	0.09	0.12	0.14	0.17	0.20	0.23	0.27	0.31	0.35	0.39	0.47	0.56	0.66	0.78	
			C	4920	3936	3280	2812	2460	2187	1968	1789	1640	1514	1406	1312	1230	1094	935	895	820	
10	2" (50.8)	9.5 (14.1)	U	1804	1154	801	589	450	356	288	238	202	170	147	128	113	89	73	60	50	
			D	0.05	0.08	0.11	0.15	0.19	0.24	0.30	0.35	0.41	0.47	0.54	0.62	0.69	0.85	1.04	1.24	1.45	
			C	2067	1653	1378	1181	1033	919	827	752	689	636	590	551	517	459	413	316	344	
	2-1/2" (63.5)	10 (14.9)	U	2733	1794	1214	893	683	539	437	361	304	259	223	194	170	136	110	92	76	
			D	0.05	0.07	0.10	0.14	0.18	0.23	0.27	0.32	0.36	0.42	0.49	0.55	0.62	0.79	0.96	1.15	1.35	
			C	3133	2507	2089	1790	1567	1393	1253	1139	1044	964	895	836	783	696	627	570	522	
	3" (76.2)	10.5 (15.6)	U	2909	1862	1293	950	728	513	466	385	322	275	238	207	181	144	115	97	81	
			D	0.04	0.06	0.08	0.11	0.15	0.18	0.22	0.26	0.30	0.34	0.39	0.44	0.48	0.58	0.68	0.80	0.95	
			C	3333	2667	2222	1905	1667	1481	1311	1212	1111	1026	952	889	833	741	667	606	556	
	4" (101.6)	11.4 (16.9)	U	4770	3053	2121	1558	1194	943	765	631	529	453	390	340	298	236	191	157	131	
			D	0.03	0.05	0.07	0.09	0.12	0.14	0.17	0.20	0.23	0.27	0.31	0.35	0.39	0.47	0.56	0.66	0.78	
			C	5467	4373	3644	3124	2733	2430	2187	1988	1822	1682	1562	1458	1367	1215	1039	994	911	
9	2" (50.8)	10.6 (15.8)	U	1984	1269	881	648	495	392	317	262	222	187	162	141	124	98	80	66	55	
			D	0.05	0.06	0.11	0.15	0.19	0.24	0.30	0.35	0.41	0.47	0.54	0.62	0.69	0.85	1.04	1.24	1.45	
			C	2274	1818	1516	1299	1136	1011	910	827	758	700	649	606	569	505	454	414	378	
	2-1/2" (63.5)	11.1 (16.5)	U	3006	1973	1335	982	751	593	481	397	334	285	245	213	187	150	121	101	84	
			D	0.05	0.07	0.10	0.14	0.18	0.23	0.27	0.32	0.36	0.42	0.49	0.55	0.62	0.79	0.96	1.15	1.35	
			C	3446	2758	2298	1969	1724	1532	1378	1253	1148	1060	985	920	861	766	690	627	574	
	3" (76.2)	11.6 (17.2)	U	3200	2048	1422	1045	801	630	513	424	354	303	262	228	199	158	127	107	89	
			D	0.04	0.06	0.08	0.11	0.15	0.18	0.22	0.26	0.30	0.34	0.39	0.44	0.48	0.58	0.68	0.80	0.95	
			C	3666	2934	2444	2096	1834	1629	1442	1333	1222	1129	1047	978	916	815	734	667	612	
	4" (101.6)	12.7 (18.9)	U	5247	3358	2221	1714	1313	1037	842	694	582	498	429	374	328	260	210	173	144	
			D	0.03	0.05	0.07	0.09	0.12	0.14	0.17	0.20	0.23	0.27	0.31	0.35	0.39	0.47	0.56	0.66	0.78	
			C	6014	4810	4008	3436	3006	2673	2406	2187	2004	1850	1718	1604	1504	1337	1143	1093	1002	

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.
- 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.

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