

PRIMARY MATERIAL	GAUGE/ THICK (in)	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"
ALUM.	.1250"	2" (50.8)	1.8 (2.7)	U	1048	1022	710	522	400	316	256	212	178	153	131	115	101	80	65	54	46
				D	0.05	0.12	0.18	0.24	0.31	0.40	0.49	0.59	0.71	0.83	0.96	1.10	1.26	1.59	1.96	2.37	2.83
				C	1431	1145	954	818	715	636	572	520	477	440	409	382	358	318	286	260	238
				D	0.06	0.09	0.13	0.19	0.25	0.32	0.39	0.47	0.57	0.66	0.77	0.88	1.00	1.27	1.57	1.90	2.26
CARBON & GALV.	13	1-1/2" (38.1)	3.5 (5.2)	U	963	745	517	380	291	230	187	154	129	110	95	83	73	58	46	38	32
				D	0.04	0.08	0.11	0.15	0.19	0.24	0.30	0.36	0.43	0.51	0.59	0.67	0.77	0.98	1.20	1.44	1.71
				C	855	684	645	554	485	431	388	353	323	298	277	259	242	216	191	116	162
				D	0.03	0.05	0.09	0.12	0.15	0.19	0.24	0.29	0.35	0.41	0.47	0.54	0.61	0.78	0.95	1.16	1.39
		2" (50.8)	3.9 (5.8)	U	1735	1110	771	568	435	344	281	232	196	167	144	126	110	88	70	60	50
				D	0.04	0.06	0.08	0.11	0.15	0.18	0.23	0.28	0.33	0.39	0.45	0.52	0.59	0.75	0.91	1.14	1.34
				C	1297	1038	865	741	648	645	584	532	489	453	422	392	368	327	297	261	245
				D	0.02	0.04	0.05	0.08	0.10	0.15	0.18	0.22	0.26	0.31	0.36	0.41	0.47	0.60	0.79	0.89	1.06
	11	1-1/2" (38.1)	4.5 (6.7)	U	1385	888	618	455	349	276	225	186	157	134	117	101	90	71	59	48	41
				D	0.05	0.07	0.10	0.14	0.18	0.23	0.29	0.35	0.41	0.49	0.57	0.65	0.75	0.95	1.20	1.45	1.74
				C	1086	888	772	663	582	518	467	426	392	363	338	318	299	268	244	225	205
				D	0.03	0.05	0.08	0.11	0.15	0.18	0.23	0.28	0.33	0.39	0.45	0.52	0.60	0.76	0.96	1.17	1.39
		2" (50.8)	5.1 (7.6)	U	2261	1447	1005	739	567	449	364	300	253	216	186	162	142	112	91	75	63
				D	0.04	0.06	0.08	0.11	0.15	0.19	0.23	0.28	0.33	0.39	0.45	0.52	0.59	0.75	0.92	1.12	1.32
				C	1670	1336	1113	954	888	823	758	689	631	583	541	505	473	421	378	344	316
				D	0.02	0.04	0.06	0.08	0.11	0.14	0.18	0.22	0.27	0.31	0.36	0.42	0.47	0.60	0.74	0.89	1.06
	3" (76.2)	5.7 (8.5)	U	4214	2697	1873	1376	1053	832	674	551	468	399	344	300	263	208	168	139	117	
			D	0.03	0.04	0.06	0.08	0.10	0.13	0.16	0.19	0.23	0.27	0.31	0.35	0.41	0.52	0.64	0.77	0.92	
			C	3095	2476	2064	1769	1548	1376	1238	1126	1032	952	927	902	878	781	702	638	585	
			D	0.02	0.03	0.04	0.05	0.07	0.08	0.11	0.14	0.16	0.19	0.24	0.28	0.33	0.41	0.51	0.62	0.74	
STAIN. STEEL	16	2" (50.8)	2.4 (3.6)	U	1418	907	630	463	354	280	226	187	158	134	115	101	88	70	57	47	39
				D	0.04	0.07	0.10	0.13	0.17	0.21	0.26	0.32	0.38	0.44	0.52	0.59	0.67	0.85	1.06	1.28	1.50
				C	1148	918	765	656	574	510	459	430	393	363	337	315	295	263	237	215	197
				D	0.03	0.05	0.07	0.10	0.13	0.17	0.21	0.26	0.30	0.36	0.41	0.48	0.54	0.69	0.85	1.02	1.22

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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