

PRIMARY MATERIAL	GAUGE/ THICK	DEPTH (mm)	LBS./LF (kg/m)	LOAD/ DEFL	CLEAR SPAN																	
					24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
ALUM.	.1250"	2" (50.8)	1.5 (2.2)	U	2138	1491	1035	761	582	460	372	308	258	221	190	166	146	115	93	77	65	
				D	0.07	0.14	0.20	0.27	0.35	0.44	0.54	0.66	0.78	0.92	1.07	1.23	1.39	1.76	2.18	2.64	3.14	
				C	1509	1207	1006	862	755	611	604	549	503	464	431	402	377	335	302	274	252	
				D	0.07	0.11	0.16	0.21	0.28	0.35	0.44	0.53	0.63	0.74	0.85	0.98	1.12	1.41	1.74	2.11	2.51	
CARBON & GALV. STEEL	13	1-1/2" (38.1)	3.0 (4.4)	U	1536	984	685	504	387	306	249	206	174	149	129	112	100	79	65	55	46	
				D	0.05	0.01	0.11	0.14	0.19	0.24	0.29	0.36	0.43	0.50	0.58	0.67	0.77	0.98	1.22	1.51	1.81	
				C	914	731	609	522	457	406	366	332	305	283	263	246	232	208	190	174	162	
				D	0.04	0.06	0.08	0.12	0.15	0.19	0.24	0.29	0.34	0.40	0.47	0.54	0.61	0.78	0.98	1.20	1.44	
		2" (50.8)	3.3 (4.9)	U	1965	1473	1024	754	578	458	371	307	259	222	192	167	147	118	96	80	68	
				D	0.03	0.06	0.08	0.11	0.14	0.18	0.23	0.27	0.33	0.38	0.44	0.51	0.58	0.74	0.92	1.13	1.26	
				C	1369	1096	913	783	685	609	548	498	456	421	391	366	344	308	279	257	237	
				D	0.03	0.05	0.07	0.09	0.12	0.15	0.18	0.22	0.26	0.31	0.35	0.41	0.47	0.59	0.74	0.90	1.08	
	11	1-1/2" (38.1)	4.2 (6.2)	U	1981	1269	883	650	498	394	320	265	224	191	165	144	128	101	83	69	59	
				D	0.05	0.07	0.11	0.15	0.19	0.24	0.30	0.36	0.43	0.51	0.59	0.68	0.18	0.98	1.22	1.50	1.81	
				C	1165	932	777	666	582	518	467	426	391	362	337	316	297	266	241	222	205	
				D	0.04	0.06	0.09	0.12	0.15	0.19	0.24	0.29	0.34	0.40	0.47	0.54	0.62	0.79	0.98	1.20	1.44	
		2" (50.8)	4.5 (6.7)	U	2899	1978	1375	1012	776	614	498	411	347	302	261	228	201	160	130	108	92	
				D	0.03	0.06	0.08	0.11	0.15	0.19	0.23	0.28	0.34	0.40	0.47	0.54	0.62	0.78	0.97	1.18	1.42	
				C	1762	1410	1175	1032	904	805	726	661	607	573	533	499	469	420	380	348	321	
				D	0.03	0.05	0.07	0.09	0.12	0.15	0.19	0.23	0.27	0.32	0.37	0.43	0.49	0.63	0.78	0.95	1.14	
	3" (76.2)	4.8 (7.1)	U	5806	3716	2581	1898	1454	1150	932	771	649	554	479	417	367	291	236	196	166		
			D	0.03	0.04	0.06	0.08	0.11	0.13	0.17	0.20	0.24	0.28	0.33	0.37	0.43	0.54	0.67	0.81	0.98		
			C	3188	2550	2125	1822	1594	1417	1275	1159	1132	1050	976	913	857	764	690	630	581		
			D	0.02	0.03	0.04	0.06	0.07	0.10	0.12	0.15	0.19	0.22	0.26	0.30	0.34	0.43	0.54	0.65	0.78		
	STAIN. STEEL	16	2" (50.8)	2.4 (3.6)	U	1419	1399	971	714	546	432	350	289	243	207	178	155	137	107	88	72	61
					D	0.03	0.07	0.10	0.13	0.17	0.22	0.27	0.33	0.39	0.46	0.53	0.61	0.10	0.88	1.09	1.31	1.56
					C	1275	1021	850	729	638	567	510	464	425	392	365	341	319	283	255	232	213
					D	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.26	0.31	0.37	0.43	0.49	0.56	0.70	0.87	1.05	1.25

U - Uniform Load - Lbs. per Square Foot

D - Deflection - in Inches

C - Concentrated Load - Lbs. per Square Foot of Width at Mid Span

- Span 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, 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 Plank Grating.

