

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)	2.8 (4.1)	<b>U</b>	992	635	441	324	248	196	158	131	110	94	81	70	62	49	40	33	27	
				<b>D</b>	0.07	0.10	0.16	0.21	0.28	0.35	0.44	0.53	0.63	0.74	0.86	0.98	1.12	1.42	1.75	2.11	2.52	
				<b>C</b>	1652	1322	1102	944	826	734	661	601	551	508	472	441	413	367	330	300	300	275
				<b>D</b>	0.05	0.08	0.13	0.17	0.22	0.28	0.35	0.42	0.50	0.59	0.69	0.79	0.89	1.13	1.40	1.69	2.01	
CARBON & GALV. STEEL	13	1-1/2" (38.1)	5.7 (8.5)	<b>U</b>	714	457	317	233	179	142	116	96	82	69	60	52	45	36	29	24	21	
				<b>D</b>	0.04	0.07	0.10	0.13	0.17	0.21	0.26	0.32	0.39	0.45	0.52	0.60	0.68	0.86	1.05	1.27	1.56	
				<b>C</b>	964	771	642	551	495	481	434	397	366	337	314	293	274	243	220	199	183	
				<b>D</b>	0.03	0.04	0.07	0.09	0.12	0.17	0.21	0.26	0.31	0.36	0.42	0.48	0.55	0.69	0.85	1.03	1.23	
		2" (50.8)	6.0 (8.9)	<b>U</b>	1072	666	476	350	268	212	173	143	121	103	90	78	69	55	44	36	31	
				<b>D</b>	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.24	0.29	0.34	0.40	0.46	0.53	0.67	0.82	0.98	1.19	
				<b>C</b>	1452	1162	968	830	726	645	581	528	509	489	470	439	411	366	329	299	274	
				<b>D</b>	0.02	0.03	0.05	0.06	0.09	0.12	0.14	0.17	0.22	0.27	0.32	0.37	0.42	0.53	0.65	0.79	0.94	
	11	1-1/2" (38.1)	6.8 (10.1)	<b>U</b>	781	500	347	255	196	156	127	105	89	76	66	58	52	41	34	29	25	
				<b>D</b>	0.04	0.06	0.09	0.12	0.15	0.19	0.24	0.29	0.34	0.40	0.47	0.53	0.61	0.77	0.96	1.20	1.45	
				<b>C</b>	1257	1006	838	718	629	559	503	457	419	387	359	335	314	279	253	234	219	
				<b>D</b>	0.03	0.05	0.07	0.09	0.12	0.15	0.19	0.23	0.27	0.32	0.31	0.43	0.49	0.62	0.76	0.94	1.14	
		2" (50.8)	7.1 (10.5)	<b>U</b>	1250	800	555	408	314	249	201	167	141	121	104	91	80	64	53	44	37	
				<b>D</b>	0.03	0.05	0.07	0.09	0.12	0.15	0.18	0.22	0.26	0.31	0.35	0.41	0.46	0.59	0.74	0.91	1.08	
				<b>C</b>	1924	1539	1283	1099	962	855	770	700	641	592	550	514	484	434	395	363	337	
				<b>D</b>	0.02	0.04	0.05	0.07	0.09	0.12	0.14	0.17	0.21	0.24	0.28	0.33	0.37	0.48	0.59	0.73	0.87	
	3" (76.2)	7.9 (11.7)	<b>U</b>	2675	1712	1189	873	669	528	428	354	297	254	219	190	167	132	107	89	74		
			<b>D</b>	0.02	0.04	0.05	0.07	0.09	0.11	0.14	0.17	0.20	0.24	0.28	0.31	0.36	0.45	0.56	0.68	0.81		
			<b>C</b>	3531	2825	2354	2018	1766	1569	1412	1284	1177	1141	1106	1070	1003	892	802	730	669		
			<b>D</b>	0.01	0.02	0.03	0.04	0.06	0.08	0.10	0.12	0.14	0.20	0.23	0.25	0.29	0.36	0.45	0.54	0.65		

**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.

