

GAUGE	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"
14	1-1/2" (38.1)	3.0 (4.46)	U	899	577	402	269	227	180	147	122	103	--	--	--	--	--	--	--	--
			D	0.06	0.10	0.14	0.20	0.26	0.33	0.40	0.49	0.59	--	--	--	--	--	--	--	--
			C	524	421	351	302	265	237	214	196	180	--	--	--	--	--	--	--	--
			D	0.05	0.08	0.11	0.16	0.21	0.26	0.32	0.39	0.47	--	--	--	--	--	--	--	--
	2" (50.8)	3.2 (4.76)	U	1492	957	665	490	376	298	242	201	169	145	125	110	97	77	63	--	--
			D	0.06	0.09	0.13	0.17	0.23	0.29	0.35	0.43	0.51	0.61	0.71	0.81	0.93	1.19	1.49	--	--
			C	871	691	582	500	439	391	353	322	296	275	256	240	226	203	185	--	--
			D	0.04	0.07	0.10	0.14	0.18	0.23	0.28	0.34	0.41	0.48	0.56	0.65	0.74	0.95	1.19	--	--
	2-1/2" (63.5)	3.5 (5.21)	U	1712	1097	763	562	431	342	277	230	194	166	144	126	111	89	73	61	52
			D	0.04	0.06	0.08	0.11	0.14	0.18	0.23	0.27	0.33	0.39	0.45	0.52	0.59	0.76	0.94	1.16	1.40
			C	999	800	668	574	503	448	405	369	340	315	293	275	259	233	212	195	181
			D	0.03	0.04	0.06	0.09	0.11	0.15	0.18	0.22	0.26	0.31	0.36	0.41	0.47	0.61	0.76	0.93	1.12
12	1-1/2" (38.1)	4.1 (6.10)	U	1189	763	532	392	301	239	195	162	137	118	102	90	79	--	--	--	
			D	0.07	0.11	0.15	0.21	0.27	0.35	0.43	0.52	0.63	0.74	0.87	1.00	1.15	--	--	--	
			C	694	556	465	400	352	314	284	260	240	223	208	196	185	--	--	--	
			D	0.05	0.08	0.12	0.17	0.22	0.28	0.34	0.42	0.50	0.59	0.69	0.80	0.92	--	--	--	
	2" (50.8)	4.5 (6.70)	U	1896	1216	846	623	478	379	308	256	216	185	160	140	124	99	82	68	58
			D	0.05	0.08	0.11	0.16	0.20	0.26	0.32	0.39	0.47	0.55	0.64	0.74	0.85	1.08	1.36	1.67	2.01
			C	1106	886	740	636	558	498	450	410	378	350	327	307	289	260	238	219	203
			D	0.04	0.06	0.09	0.12	0.16	0.21	0.26	0.31	0.37	0.44	0.51	0.59	0.68	0.87	1.09	1.33	1.61
	2-1/2" (63.5)	4.9 (7.29)	U	2836	1817	1263	929	712	564	457	379	319	272	235	206	181	144	118	98	83
			D	0.04	0.06	0.09	0.13	0.17	0.21	0.26	0.32	0.38	0.44	0.52	0.59	0.68	0.86	1.07	1.31	1.57
			C	1654	1325	1105	948	831	740	667	608	558	516	481	450	423	378	343	314	290
			D	0.03	0.05	0.07	0.10	0.13	0.17	0.21	0.25	0.30	0.35	0.41	0.41	0.54	0.69	0.86	1.05	1.25
	3" (76.2)	5.2 (7.74)	U	3587	2298	1597	1174	900	712	578	478	403	344	297	259	228	181	148	123	104
			D	0.04	0.06	0.09	0.13	0.17	0.21	0.26	0.32	0.38	0.44	0.51	0.59	0.67	0.86	1.07	1.30	1.55
			C	1868	1675	1397	1199	1050	935	843	767	705	652	606	567	533	476	431	395	364
			D	0.03	0.04	0.06	0.09	0.11	0.14	0.18	0.22	0.26	0.30	0.35	0.41	0.46	0.59	0.73	0.89	1.07

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.

