

GAUGE	HEIGHT (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	4-1/2" (114.3)	8.9 (13.2)	U	300	300	300	300	300	263	213	176	148	126	109	95	83	66	53	43	--	
			D	0.41	0.41	0.42	0.45	0.48	0.47	0.42	0.40	0.40	0.41	0.43	0.45	0.47	0.55	0.64	0.75	--	
			C	400	400	400	400	400	400	400	400	400	400	400	380	355	333	296	266	242	--
			D	0.32	0.33	0.33	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.42	0.41	0.41	0.42	0.44	0.47	--	
12	4-1/2" (114.3)	12.5 (18.6)	U	475	475	475	475	475	420	340	281	236	201	173	151	133	105	85	70	59	
			D	0.37	0.37	0.38	0.40	0.43	0.43	0.39	0.37	0.37	0.37	0.39	0.41	0.44	0.51	0.59	0.69	0.80	
			C	900	900	900	900	900	900	850	773	709	654	607	567	531	472	425	387	354	
			D	0.34	0.34	0.35	0.35	0.36	0.37	0.37	0.35	0.34	0.33	0.33	0.33	0.33	0.33	0.35	0.37	0.40	0.44

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 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 Plank Grating.

