



DEPTH (mm)	LBS./LF (kg/m)		LOAD/ DEFL	CLEAR SPAN													
	DIA-VENT	SOLID		24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"
3/4" (19.1)	1.23 (1.83)	1.42 (2.11)	U	833	533	370	272	208	164	133	--	--	--	--	--	--	--
			D	0.246	0.384	0.553	1.078	1.110	1.344	2.180	--	--	--	--	--	--	--
			C	416	333	278	238	208	185	166	--	--	--	--	--	--	--
			D	0.203	0.307	0.443	0.602	0.787	0.996	1.229	--	--	--	--	--	--	--
1" (25.4)	1.45 (2.16)	1.64 (2.44)	U	1439	921	640	470	360	284	230	190	160	--	--	--	--	--
			D	0.247	0.297	0.428	0.897	0.953	1.053	1.744	1.803	1.956	--	--	--	--	--
			C	720	576	480	411	360	320	288	262	240	--	--	--	--	--
			D	0.152	0.238	0.342	0.466	0.608	0.770	0.950	1.150	1.369	--	--	--	--	--
1-1/4" (31.8)	1.68 (2.50)	1.87 (2.78)	U	2216	1418	985	723	554	438	355	293	246	210	181	--	--	--
			D	0.192	0.248	0.357	0.487	0.635	1.272	1.343	1.460	1.567	1.678	3.113	--	--	--
			C	1108	887	739	633	554	493	443	403	369	341	317	--	--	--
			D	0.132	0.199	0.286	0.389	0.508	0.643	0.794	0.961	1.144	1.342	1.581	--	--	--
1-1/2" (38.1)	1.91 (2.84)	2.10 (3.13)	U	2992	1915	1330	977	748	591	478	396	332	283	244	213	187	--
			D	0.232	0.291	0.335	0.687	0.743	0.815	0.890	0.999	1.189	2.258	2.409	2.520	2.763	--
			C	1496	1197	997	855	748	665	598	544	499	460	427	399	374	--
			D	0.121	0.165	0.238	0.326	0.423	0.535	0.661	0.800	0.951	1.117	1.295	1.487	1.692	--
1-3/4" (44.5)	2.13 (3.17)	2.32 (3.45)	U	3931	2516	1747	1284	983	777	629	520	437	372	321	280	246	218
			D	0.155	0.180	0.259	0.443	0.480	0.582	0.718	0.869	1.034	1.214	1.408	1.838	1.912	2.076
			C	1966	1573	1311	1123	983	874	786	715	655	605	562	524	491	463
			D	0.103	0.144	0.207	0.282	0.368	0.465	0.575	0.695	0.827	0.971	1.126	1.293	1.471	1.660
2" (50.8)	2.36 (3.51)	2.55 (3.79)	U	4977	3185	2212	1625	1244	983	796	658	553	471	406	354	311	276
			D	0.155	0.159	0.229	0.464	0.491	0.543	0.636	0.770	0.916	1.075	1.247	1.718	1.806	1.922
			C	2488	1991	1659	1422	1244	1106	995	905	829	766	711	664	622	585
			D	0.091	0.127	0.183	0.256	0.326	0.412	0.509	0.616	0.733	0.860	0.997	1.145	1.302	1.470

U - Uniform Load - Lbs./Sf. D - Deflection in Inches C - Concentrated Load - Lbs./Ft. of Width at Mid Span | Load table values based on the diamond-vented surface profile. Loading and deflection values are theoretical and based on a maximum allowable Fiber stress (Fs) of 19,000 PSI. 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./Sf., 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.

♿ Solid surface profile qualifies for use in ADA compliant applications when installed using multiple pieces to width regardless of the direction of travel.