

PROFILE (width)	GAUGE	HEIGHT (mm)	LBS./LF (kg/m)	LOAD/ DEFL	CLEAR SPAN																
					48"	60"	72"	84"	96"	108"	120"	132"	144"	156"	168"	180"	192"	216"	240"	264"	288"
5-DIA (24")	11	5" (127.0)	15.4 (22.9)	U	750	480	334	245	187	148	120	99	83	71	62	54	47	37	30	25	21
				D	0.34	0.35	0.38	0.34	0.34	0.34	0.35	0.42	0.50	0.59	0.69	0.79	0.91	1.13	1.43	1.70	2.03
				C	3000	2400	2000	1714	1500	1334	1200	1091	1000	922	857	800	750	666	600	546	500
				D	0.27	0.28	0.31	0.28	0.28	0.27	0.28	0.34	0.41	0.48	0.56	0.63	0.72	0.91	1.13	1.36	1.62
	10	5" (127.0)	17.5 (26.0)	U	937	600	417	306	234	185	150	124	104	89	77	67	59	46	38	31	26
				D	0.38	0.39	0.42	0.38	0.38	0.38	0.39	0.47	0.56	0.66	0.77	0.88	1.01	1.26	1.59	1.89	2.25
				C	3750	3000	2500	2143	1875	1667	1500	1364	1250	1153	1071	1000	938	833	750	682	625
				D	0.30	0.31	0.34	0.31	0.30	0.30	0.31	0.36	0.45	0.53	0.61	0.70	0.80	1.01	1.25	1.51	1.80
	9	5" (127.0)	19.6 (29.1)	U	1031	660	459	337	257	204	165	136	114	98	85	74	65	51	42	34	29
				D	0.38	0.39	0.42	0.38	0.38	0.38	0.39	0.47	0.56	0.66	0.77	0.88	1.01	1.26	1.59	1.89	2.25
				C	4125	3300	2750	2357	2063	1834	1650	1500	1375	1268	1178	1100	1032	916	825	750	688
				D	0.30	0.31	0.34	0.31	0.30	0.30	0.31	0.36	0.45	0.53	0.61	0.70	0.80	1.01	1.25	1.51	1.80
6-DIA (30")	11	5" (127.0)	17.7 (26.3)	U	732	468	325	239	183	145	116	96	81	69	60	52	45	36	28	24	20
				D	0.33	0.39	0.36	0.36	0.41	0.38	0.37	0.37	0.44	0.51	0.59	0.68	0.77	0.98	1.20	1.46	1.73
				C	3667	2932	2444	2095	1832	1629	1467	1333	1222	1128	1047	977	916	815	732	667	610
				D	0.27	0.31	0.29	0.29	0.33	0.31	0.30	0.30	0.35	0.41	0.48	0.55	0.62	0.78	0.97	1.17	1.40
	10	5" (127.0)	19.9 (29.6)	U	916	586	407	299	229	182	146	121	102	87	75	65	57	45	36	30	25
				D	0.37	0.43	0.40	0.40	0.46	0.42	0.41	0.41	0.49	0.57	0.66	0.75	0.86	1.09	1.33	1.62	1.92
				C	4584	3666	3056	2619	2291	2037	1834	1667	1528	1410	1309	1222	1146	1019	916	834	763
				D	0.30	0.34	0.32	0.32	0.37	0.34	0.33	0.33	0.39	0.45	0.53	0.61	0.69	0.87	1.08	1.30	1.55
	9	5" (127.0)	22.1 (32.9)	U	1007	644	447	328	251	200	160	133	112	95	82	71	62	49	39	33	27
				D	0.37	0.43	0.40	0.40	0.46	0.42	0.41	0.41	0.49	0.57	0.66	0.75	0.86	1.09	1.33	1.62	1.92
				C	5042	4032	3361	2880	2530	2240	2017	1833	1680	1551	1439	1344	1260	1120	1007	917	839
				D	0.30	0.34	0.32	0.32	0.37	0.34	0.33	0.33	0.39	0.45	0.53	0.61	0.69	0.87	1.08	1.30	1.55
8-DIA (36")	11	5" (127.0)	20.2 (30.0)	U	444	284	197	144	111	88	71	58	49	42	36	31	28	21	17	14	12
				D	0.35	0.35	0.30	0.29	0.30	0.32	0.35	0.38	0.46	0.54	0.62	0.71	0.82	1.04	1.26	1.50	1.78
				C	2664	2133	1777	1524	1333	1184	1066	969	888	820	761	711	666	592	533	484	444
				D	0.28	0.28	0.23	0.23	0.23	0.26	0.28	0.31	0.37	0.43	0.50	0.58	0.65	0.83	1.02	1.23	1.47
	10	5" (127.0)	22.7 (33.8)	U	556	356	247	181	139	110	89	73	62	53	45	39	35	27	22	18	15
				D	0.39	0.39	0.33	0.32	0.33	0.36	0.39	0.42	0.51	0.60	0.69	0.79	0.91	1.15	1.40	1.67	1.98
				C	3330	2667	2222	1905	1667	1481	1333	1212	1111	1026	952	889	833	741	667	606	556
				D	0.31	0.31	0.26	0.26	0.26	0.29	0.31	0.34	0.41	0.46	0.55	0.64	0.72	0.92	1.13	1.37	1.63
	9	5" (127.0)	25.3 (37.6)	U	611	391	271	199	152	121	97	80	68	58	49	42	38	29	24	19	16
				D	0.39	0.39	0.33	0.32	0.33	0.36	0.39	0.42	0.51	0.60	0.69	0.79	0.91	1.15	1.40	1.67	1.98
				C	3663	2933	2444	2095	1833	1629	1466	1333	1222	1128	1047	977	916	815	733	666	611
				D	0.31	0.31	0.26	0.26	0.26	0.29	0.31	0.34	0.41	0.46	0.55	0.64	0.72	0.92	1.13	1.37	1.63

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.

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