

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)	2.1 (3.1)	U	1463	936	650	478	366	290	235	194	163	140	120	104	93	73	60	49	41
				D	0.08	0.12	0.17	0.23	0.30	0.38	0.47	0.57	0.68	0.79	0.92	1.05	1.20	1.52	1.88	2.27	2.70
				C	1612	1290	1075	921	806	716	645	586	537	496	461	430	403	358	322	293	269
				D	0.06	0.09	0.14	0.18	0.24	0.30	0.38	0.45	0.54	0.63	0.74	0.84	0.96	1.22	1.50	1.82	2.16
CARBON & GALV. STEEL	13	1-1/2" (38.1)	4.3 (6.4)	U	669	655	456	336	258	204	166	138	117	100	87	76	67	54	44	37	31
				D	0.03	0.07	0.10	0.13	0.17	0.22	0.27	0.33	0.40	0.41	0.55	0.63	0.72	0.92	1.16	1.43	1.68
				C	960	819	684	588	516	460	416	380	349	325	303	285	268	241	218	198	182
				D	0.03	0.05	0.08	0.11	0.14	0.18	0.22	0.26	0.32	0.37	0.44	0.50	0.58	0.74	0.91	1.11	1.32
		2" (50.8)	4.6 (6.8)	U	1510	966	671	493	378	299	243	201	170	145	126	110	97	77	63	53	45
				D	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.25	0.29	0.35	0.40	0.46	0.53	0.68	0.85	1.03	1.25
				C	1442	1154	961	862	756	673	608	555	509	412	440	413	388	349	317	291	210
				D	0.02	0.04	0.06	0.08	0.10	0.13	0.16	0.20	0.23	0.28	0.32	0.37	0.42	0.54	0.67	0.82	0.99
	11	1-1/2" (38.1)	5.3 (7.9)	U	986	739	515	378	291	230	188	156	131	112	97	85	75	60	50	41	35
				D	0.03	0.06	0.09	0.12	0.16	0.21	0.25	0.31	0.37	0.43	0.50	0.57	0.65	0.82	1.02	1.25	1.50
				C	1231	985	821	103	615	547	492	448	410	379	352	328	308	274	246	221	210
				D	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.25	0.29	0.34	0.40	0.46	0.52	0.66	0.81	1.00	1.20
		2" (50.8)	5.5 (8.2)	U	1937	1240	861	633	486	385	312	259	218	186	161	140	124	99	80	67	57
				D	0.03	0.05	0.07	0.10	0.13	0.16	0.20	0.24	0.29	0.34	0.40	0.46	0.52	0.67	0.83	1.01	1.22
				C	1881	1505	1292	1109	971	865	781	712	654	604	563	527	496	444	403	389	341
				D	0.02	0.04	0.06	0.08	0.10	0.13	0.16	0.20	0.23	0.27	0.32	0.37	0.42	0.54	0.67	0.81	0.98
	3" (76.2)	6.2 (9.2)	U	3828	2450	1701	1250	957	757	614	507	427	365	315	214	242	192	156	130	108	
			D	0.02	0.04	0.05	0.01	0.10	0.12	0.15	0.18	0.22	0.25	0.29	0.34	0.39	0.49	0.61	0.74	0.87	
			C	3448	2759	2299	1971	1724	1533	1405	1396	1282	1185	1102	1030	968	864	781	714	652	
			D	0.02	0.02	0.04	0.05	0.07	0.09	0.11	0.14	0.17	0.20	0.24	0.27	0.31	0.39	0.49	0.59	0.70	
STAIN. STEEL	16	2" (50.8)	3.2 (4.7)	U	1289	825	573	421	322	255	206	170	143	122	105	91	80	64	51	42	35
				D	0.04	0.07	0.10	0.13	0.17	0.22	0.27	0.33	0.39	0.46	0.53	0.61	0.69	0.88	1.08	1.30	1.54
				C	1252	1002	835	715	626	556	501	469	430	397	368	343	322	286	257	234	215
				D	0.03	0.05	0.07	0.10	0.13	0.17	0.21	0.26	0.31	0.37	0.42	0.49	0.55	0.70	0.86	1.05	1.25

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.

