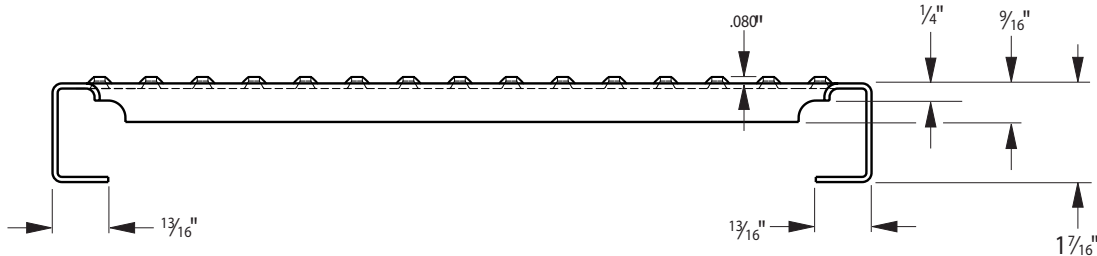


GRATE-LOCK™ SAFETY GRATING LOAD TABLES

1-1/2" CHANNEL HEIGHT— 6", 9", & 12" WIDTHS



Grate-Lock 1-1/2" Channel Height — 6", 9", & 12" Widths

Allowable loads and deflections: U=Uniform load (lb./ft.²)³ C = Concentrated load (lb.)⁴ D=Deflection (in.)

Gauge	Width	Catalog Number	Load/Defl. Code	Span							
				3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"
18	12"	MG121518	U	196	144	110	87	70	58	49	41
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	—	—	—	—	—	—	—	—
			D	—	—	—	—	—	—	—	—
	9"	MG91518	U	263	193	147	116	94	78	65	56
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	293	251	220	195	176	160	146	135
			D	.10	.13	.17	.21	.26	.32	.38	.45
	6"	MG61518	U	395	290	222	175	142	117	99	84
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	—	—	—	—	—	—	—	—
			D	—	—	—	—	—	—	—	—
16*	12"	MG121516	U	244	179	137	108	87	72	61	52
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	—	—	—	—	—	—	—	—
			D	—	—	—	—	—	—	—	—
	9"	MG91516	U	326	239	183	144	117	97	81	69
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	364	312	273	242	218	198	182	168
			D	.10	.13	.17	.21	.26	.32	.38	.45
	6"	MG61516	U	490	360	276	218	176	146	122	104
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	—	—	—	—	—	—	—	—
			D	—	—	—	—	—	—	—	—
14	12"	MG121514	U	296	217	166	131	106	88	74	63
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	—	—	—	—	—	—	—	—
			D	—	—	—	—	—	—	—	—
	9"	MG91514	U	396	291	222	176	142	117	99	84
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	442	379	331	295	265	241	221	204
			D	.10	.13	.17	.21	.26	.32	.38	.45
	6"	MG61514	U	596	438	335	265	214	177	149	127
			D	.14	.18	.22	.27	.33	.40	.48	.56
			C	—	—	—	—	—	—	—	—
			D	—	—	—	—	—	—	—	—

³ Simple or equal-length double spans; multiply uniform load values by 1.07 for three, or 1.04 for four equal-length continuous spans. Deflections shown for simple spans (all were within 1/120th of span limitation); multiply deflection values by 0.71 for equal-length double spans, or by 0.76 for three of four equal length continuous spans.

⁴ Simple spans; multiply concentrated load volumes by 1.23 for equal-length double spans, 1.17 for three, or 1.19 for four equal length continuous spans.

Load(s) applied to top section, as a line across entire section width, at center of (each) span.

*Available on special order.