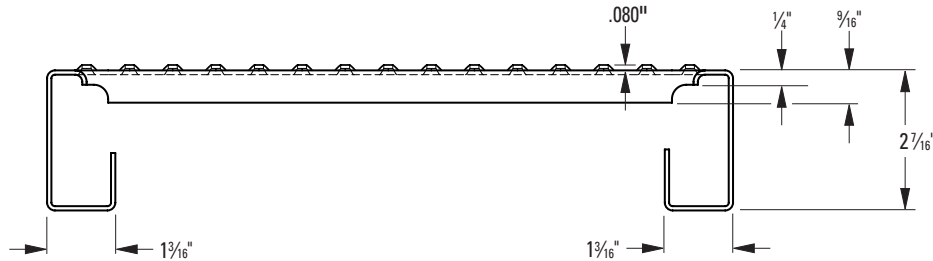


GRATE-LOCK™ SAFETY GRATING LOAD TABLES

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



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

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

Gauge	Width	Weight Lb./in.ft.	Catalog Number	Load/ Defl. Code	Clear Span (Lin. Ft.)										
					4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"
18	12"	3.70	MG122518	U	312	200	140	103	80	64	52	43	36	31	27
				D	.17	.27	.39	.54	.71	.90	1.13	.138	1.61	1.91	2.23
				C	529	501	420	362	319	286	260	239	217	207	194
				D	.12	.22	.31	.43	.57	.72	.90	1.09	1.33	1.57	1.85
	9"	3.16	MG92518	U	390	251	175	129	100	79	65	54	46	40	35
				D	.18	.28	.41	.56	.74	.95	1.18	1.44	1.73	2.05	2.41
				C	585	470	394	339	299	268	243	223	207	193	181
				D	.14	.23	.33	.45	.59	.76	.94	1.15	1.38	1.64	1.93
	6"	2.62	MG62518	U	538	346	241	178	137	109	89	74	63	54	47
				D	.16	.25	.36	.50	.65	.83	.04	1.27	1.52	1.80	2.11
				C	538	432	362	312	274	246	223	204	189	176	165
				D	.13	.20	.29	.40	.52	.67	.83	1.01	1.22	1.44	1.69
16*	12"	4.55	MG122516	U	370	238	166	123	95	76	62	52	44	37	32
				D	.17	.27	.39	.54	.71	.91	1.13	1.39	1.67	1.94	2.21
				C	638	595	499	432	381	342	312	285	261	241	224
				D	.12	.22	.31	.43	.57	.72	.91	1.10	1.31	1.53	1.78
	9"	3.89	MG92516	U	491	316	220	163	126	100	82	69	58	49	43
				D	.18	.29	.41	.57	.75	.96	1.19	1.46	1.76	2.05	2.39
				C	736	592	496	428	378	339	308	283	261	241	224
				D	.15	.23	.33	.45	.60	.76	.95	1.17	1.40	1.64	1.90
	6"	3.22	MG62516	U	696	447	312	230	177	140	114	95	81	69	60
				D	.17	.26	.38	.51	.67	.86	1.06	1.30	1.55	1.84	2.15
				C	696	559	467	402	354	316	286	262	242	225	211
				D	.13	.21	.30	.41	.54	.69	.85	1.04	1.24	1.47	1.72
14	12"	5.62	MG122514	U	442	284	199	147	113	90	74	62	52	44	38
				D	.17	.27	.39	.54	.71	.91	1.13	1.38	1.63	1.94	2.20
				C	730	711	596	514	454	407	370	338	310	286	266
				D	.12	.22	.31	.43	.57	.72	.90	1.09	1.31	1.53	1.77
	9"	4.80	MG92514	U	593	381	266	196	151	121	98	82	70	58	50
				D	.18	.28	.41	.56	.74	.94	1.17	1.43	1.72	1.88	2.21
				C	889	714	598	516	454	407	369	339	314	282	265
				D	.14	.23	.33	.45	.59	.75	.94	1.14	1.38	1.50	1.77
	6"	3.98	MG62514	U	931	596	414	304	233	184	149	123	103	88	76
				D	.18	.29	.42	.56	.74	.93	1.15	1.39	1.65	1.93	2.25
				C	931	744	620	532	465	414	372	338	310	286	266
				D	.14	.23	.33	.45	.58	.74	.92	1.11	1.32	1.55	1.80

Notes: These tables are prepared based on test conducted in accordance with the 1980 edition, section 6.2 of the American Iron and Steel Institute Specification for the design of cold-rolled steel structural members with results checked and adjusted where required by calculations in accordance with section 2 of the same specification.

*Available on special order.