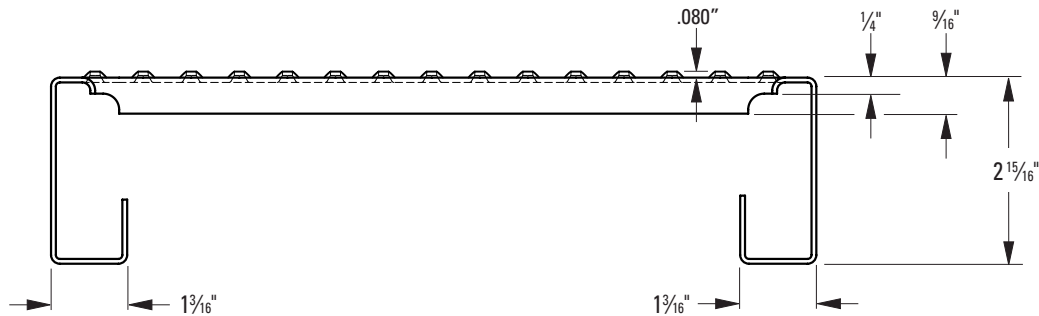


GRATE-LOCK™ SAFETY GRATING LOAD TABLES

3" CHANNEL HEIGHT— 6", 9", & 12" WIDTHS



Grate-Lock 3" 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"	3.88	MG123018	U	345	222	155	114	88	70	57	48	41	35	31
				D	.12	.19	.28	.39	.51	.65	.80	.98	1.20	1.43	1.68
				C	529	529	472	405	354	316	287	263	244	229	215
				D	.07	.14	.22	.31	.41	.52	.64	.79	.95	1.14	1.34
	9"	3.34	MG93018	U	472	302	210	154	118	93	76	62	52	45	39
				D	.13	.21	.31	.42	.55	.68	.86	1.01	1.21	1.43	1.70
				C	705	567	472	405	354	315	283	258	236	218	202
				D	.11	.17	.24	.33	.44	.55	.68	.82	.98	1.15	1.32
	6"	2.80	MG63018	U	709	453	315	231	177	140	113	94	79	67	58
				D	.13	.21	.29	.39	.52	.66	.80	.99	1.19	1.37	1.14
				C	709	567	472	405	354	315	283	258	236	218	202
				D	.11	.16	.23	.32	.42	.53	.65	.60	.93	1.11	1.28
16*	12"	4.77	MG123016	U	438	282	197	160	123	98	80	66	56	45	39
				D	.12	.20	.28	.45	.59	.75	.93	1.13	1.35	1.43	1.69
				C	638	638	591	559	492	440	398	365	337	293	276
				D	.07	.15	.23	.36	.47	.60	.74	.90	1.08	1.15	1.35
	9"	4.11	MG93016	U	581	373	261	193	149	118	97	81	69	59	52
				D	.13	.21	.30	.41	.54	.69	.87	1.06	1.27	1.51	1.77
				C	851	700	587	506	446	400	363	333	309	288	271
				D	.11	.17	.24	.33	.44	.56	.69	.85	1.02	1.21	1.42
	6"	3.44	MG63016	U	854	547	380	279	214	169	137	113	95	82	71
				D	.12	.20	.28	.39	.50	.64	.79	.95	1.13	1.34	1.56
				C	854	684	570	480	427	380	342	310	286	266	249
				D	.10	.15	.23	.31	.40	.51	.63	.76	.91	1.07	1.25
14	12"	5.89	MG123014	U	536	345	241	178	137	109	89	74	63	54	47
				D	.13	.20	.29	.40	.53	.67	.84	1.02	1.23	1.46	1.71
				C	730	730	722	622	548	491	446	409	379	353	332
				D	.07	.14	.23	.32	.42	.54	.67	.82	.98	1.17	1.37
	9"	5.07	MG93014	U	831	532	369	271	208	164	133	110	92	79	68
				D	.16	.25	.36	.48	.63	.79	.98	1.19	1.40	1.67	1.94
				C	974	974	831	712	623	554	498	453	415	383	356
				D	.10	.20	.28	.38	.50	.63	.78	.95	1.12	1.32	1.54
	6"	4.25	MG63014	U	1246	797	554	407	311	246	199	165	138	118	102
				D	.15	.24	.34	.46	.60	.76	.94	1.14	1.35	1.60	1.85
				C	1246	997	831	712	623	554	498	453	415	383	356
				D	.12	.19	.27	.36	.48	.61	.75	.91	1.08	1.27	1.48

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.