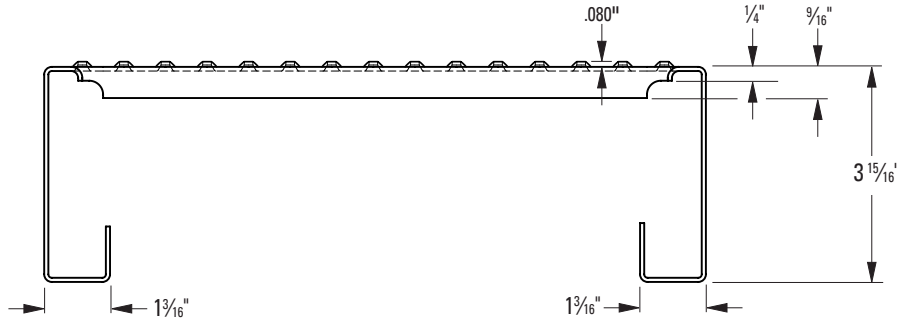


GRATE-LOCK™ SAFETY GRATING LOAD TABLES

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



Grate-Lock 4" 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"	4.24	MG124018	U	560	359	249	183	140	111	90	74	62	53	46
				D	.11	.16	.24	.34	.42	.54	.66	.81	.96	1.09	1.26
				C	529	529	529	529	529	498	448	408	374	345	320
				D	.04	.08	.13	.21	.32	.44	.53	.65	.77	.87	1.01
	9"	3.70	MG94018	U	747	478	332	244	187	148	120	99	83	71	61
				D	.12	.18	.26	.35	.47	.58	.72	.86	1.03	1.21	1.41
				C	705	705	705	641	560	498	448	408	374	345	320
				D	.06	.12	.20	.28	.36	.46	.57	.70	.83	.96	1.12
	6"	3.16	MG64018	U	1121	717	498	366	280	221	179	148	125	106	92
				D	.10	.18	.25	.34	.44	.55	.69	.83	.99	1.17	1.35
				C	1058	897	747	641	560	498	448	408	374	345	320
				D	.08	.13	.19	.26	.35	.45	.55	.67	.80	.93	1.07
16*	12"	5.21	MG124016	U	685	439	306	226	173	138	112	93	79	69	60
				D	.11	.17	.25	.34	.45	.51	.71	.86	1.03	1.11	1.29
				C	638	638	638	638	638	619	560	512	472	450	420
				D	.04	.08	.14	.21	.33	.46	.57	.69	.83	.89	1.03
	9"	4.55	MG94016	U	907	580	403	296	227	179	145	120	101	86	75
				D	.10	.16	.24	.37	.48	.60	.75	.91	1.07	1.27	1.48
				C	851	851	851	777	680	604	544	495	453	420	393
				D	.05	.10	.18	.29	.38	.49	.60	.73	.86	1.01	1.18
	6"	3.89	MG64016	U	1360	870	604	444	340	269	218	180	151	129	111
				D	.10	.16	.22	.30	.40	.51	.63	.76	.90	1.05	1.22
				C	1134	1088	907	777	680	604	544	495	453	418	389
				D	.07	.12	.18	.25	.32	.41	.50	.60	.72	.85	.98
14	12"	6.49	MG124014	U	814	521	362	266	204	161	131	109	92	79	69
				D	.10	.16	.24	.32	.42	.54	.67	.82	.98	1.16	1.35
				C	730	730	730	730	730	724	655	599	554	515	483
				D	.04	.07	.12	.20	.30	.43	.54	.65	.78	.93	1.08
	9"	5.62	MG94014	U	1120	719	501	369	284	225	184	153	129	111	96
				D	.11	.17	.25	.34	.44	.57	.70	.85	1.02	1.21	1.41
				C	974	974	974	969	852	761	688	629	581	540	505
				D	.05	.10	.17	.27	.36	.45	.56	.68	.82	.97	1.13
	6"	4.80	MG64014	U	1629	1042	724	532	407	322	261	215	181	154	133
				D	.12	.19	.28	.37	.48	.61	.75	.91	1.08	1.26	1.47
				C	1461	1303	1086	931	814	724	651	592	543	501	465
				D	.09	.15	.21	.30	.39	.49	.60	.73	.87	1.01	1.18

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.