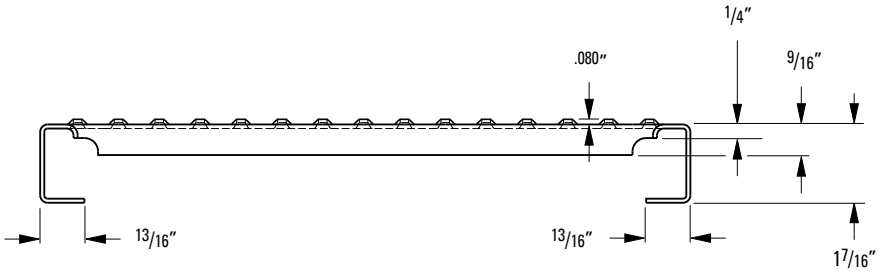
MARCO SPECIALTY STEEL

Marco Specialty Steel, Inc.
9140 Tavenor Ln., Houston, TX 77075
Phone: 713-649-5310 **Fax:** 713-649-5305

Grate-Lock® Grating Non-Slip Components
1 1/2" Channel Height – 6", 9", & 12" Widths

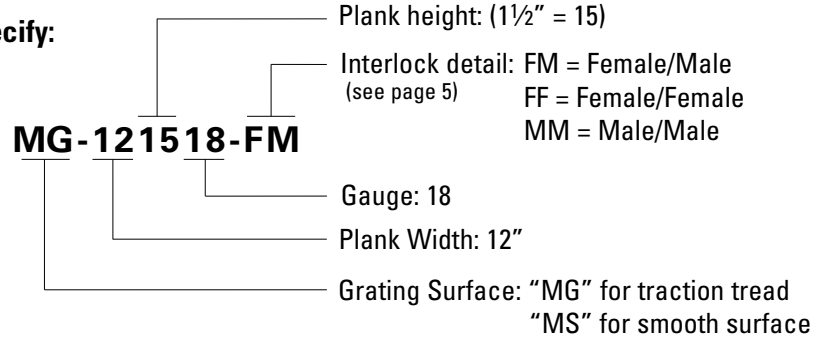


Component Availability of Galvanized Steel Panels
Section Description

Interlock Detail	Steel Gauge	Width	Standard Length	Catalog Number (2)	Wt./lin. ft. (lbs.)	Open Area (percent)
(1)	18	12"	12'	**MG-121518**	2.9	45
		9"		**MG-91518**	2.3	43
		6"		**MG-61518**	1.9	39
(1)	16*	12"	12'	**MG-121516**	3.5	43
		9"		**MG-91516**	2.9	41
		6"		**MG-61516**	2.3	37
(1)	14	12"	12'	**MG-121514**	4.2	40
		9"		**MG-91514**	3.5	38
		6"		**MG-61514**	2.7	35

(1) Specify interlock detail of panel, i.e., FM, FF or MM. Refer to general catalog (page 2) for details.
(2) Traction grip surface (MG) is standard. For smooth surface replace "**MG**" in catalog number with "**MS**".
Note: Refer to page 6 for information on accessories and 2½", 3" and 4" channel height panels.
* *Special Order Only Consult Factory*

How to Specify:



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Panel Design Loads

Allowable Loads and Deflections: U=Uniform Load [3] (lb./ft.²) C=Concentrated Load [4] (lb.) D=Deflection (in.)

			Span																				
Gauge	**Width**		**2'-0"**	**2'-6"**	**3'-0"**	**3'-6"**	**4'-0"**	**4'-6"**	**5'-0"**	**5'-6"**	**6'-0"**	**6'-6"**	**7'-0"**	**7'-6"**	**8'-0"**	**8'-6"**	**9'-0"**	**9'-6"**	**10'-0"**	**10'-6"**	**11'-0"**	**11'-6"**	**12'-0"**
18	12"	U	443	283	196	144	110	87	70	58	49	41	36	31	27	24	21	19	17	16	14	13	12
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C																					
		D																					
	9"	U	591	378	263	193	147	116	94	78	65	56	48	42	37	32	29	26	23	21	19	17	16
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C	440	352	293	251	220	195	176	160	146	135	125	117	110	103	97	92	86	83	80	76	73
		D	.04	.07	.10	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.77	.86	.96	1.06	1.17	1.28	1.40	1.54
	6"	U	890	570	395	290	222	175	142	117	99	84	72	63	55	49	44	39	35	32	29	26	24
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C																					
		D																					
16*	12"	U	549	351	244	179	137	108	87	72	61	52	44	39	34	30	27	24	22	19	18	16	15
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C																					
		D																					
	9"	U	733	469	326	239	183	144	117	97	81	69	59	52	45	40	36	32	29	26	24	22	20
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C	546	437	364	312	273	242	218	198	182	168	156	145	136	128	121	115	109	104	99	95	91
		D	.04	.07	.10	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.77	.86	.96	1.06	1.17	1.28	1.40	1.54
	6"	U	1104	706	490	360	276	218	176	146	122	104	90	78	69	61	54	49	44	40	36	33	30
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C																					
		D																					
14	12"	U	667	427	296	217	166	131	106	88	74	63	54	47	41	36	32	29	26	24	22	20	18
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C																					
		D																					
	9"	U	891	570	396	291	222	176	142	117	99	84	72	63	55	49	44	39	35	32	29	27	24
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		C	663	531	442	379	331	295	265	241	221	204	189	177	165	156	147	139	132	126	120	115	110
		D	.04	.07	.10	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.77	.86	.96	1.06	1.17	1.28	1.40	1.54
	6"	U	1341	858	596	438	335	265	214	177	149	127	109	95	83	74	66	59	53	48	44	40	37
		D	.10	.11	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.18	1.31	1.45	1.59	1.73	1.89
		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.

* *Special Order Only Consult Factory*