



Medallion-Lok

McElroy's Medallion-Lok is a structural standing seam system that combines architectural styling with structural performance. Medallion-Lok's attractive profile and load-handling capabilities make it equally well-suited for commercial, industrial or residential roofing applications.

MEDALLION-LOK SECTION PROPERTIES

SECTION PROPERTIES										
		TOP IN COMPRESSION					BOTTOM IN COMPRESSION			
Width	Panel Gauge	FY KSI	Weight PSF	Ix IN. 4	Se IN. 3	Ma KIP IN.	Ix IN. 4	Se IN. 3	Ma KIP IN.	
12"	24	50	1.43	.1086	.0745	2.2310	.0528	.0558	1.6710	
12"	22	50	1.88	.1529	.1070	3.2050	.0770	.0990	2.3240	
16"	24	50	1.31	.0855	.0565	1.6912	.0398	.0482	1.2548	
16"	22	50	1.72	.1222	.0820	2.4548	.0578	.0746	1.7460	
18"	24	50	1.27	.0773	.0504	1.5080	.0353	.0429	1.1160	
18"	22	50	1.67	.1107	.0733	2.1953	.0513	.0665	1.5527	

NOTE:

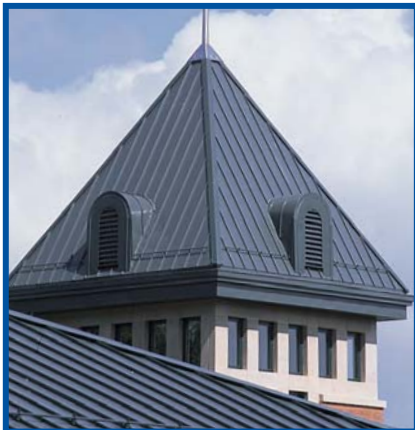
1. Section properties are calculated in accordance with 2001 AISI North American Specifications for the Design of Cold-Formed Steel Structural Members.
2. Ix is for deflection determination.
3. Se is for bending.
4. Ma is the allowable bending moment.
5. All values are for one foot of panel width.

MEDALLION-LOK LOAD TABLE

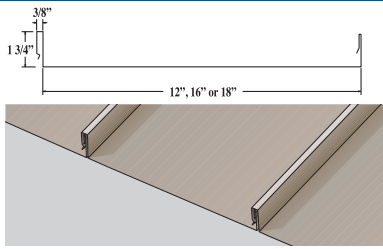
ALLOWABLE LOADS (PSF)*											
		LIVE LOAD					DEFLECTION (L/180)				
Width	Ga.	3'	3.5'	4'	4.5'	5'	3'	3.5'	4'	4.5'	5'
12"	24	149	110	85	67	55	493	310	207	146	106
12"	22	209	155	119	94	76	702	442	296	208	151
16"	24	112	83	64	50	41	382	241	161	113	82
16"	22	157	116	89	71	57	549	346	231	162	118
18"	24	99	74	57	45	36	343	216	145	101	74
18"	22	140	103	79	63	51	494	311	208	146	106

NOTE:

1. Allowable uniform loads are based upon equal span lengths.
2. Positive Wind is wind pressure and is NOT increased by 33 1/3%.
3. Live is the allowable live or snow load.
4. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
5. The weight of the panel has NOT been deducted from the allowable loads.
6. Positive wind and Live load values are limited to combined shear and bending using Eq. C3.3.1-1 of the AISI Specification.
9. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
10. Web crippling values are determined using a ratio of the uniform load actually supported by the top flanges of the section.



MEDALLION LOK



PANEL OPTIONS

- Panel Width: 12", 16" & 18"
- Seam Height: 1 3/4"
- Pan Configurations: Striated, Ribbed, Flat Pan
- Substrate: Galvalume and Aluminum
- Gauge: 22 and 24 Gauge Steel / .032 and .040 Aluminum

DETAILS

- Factory applied sealant placed in seams
- Coating: Kynar 500®
- 3:12 Minimum Slope
- For use over open framing or solid decking

TESTING DATA

- Class A - Fire Rating
- UL580 Class 90 - Uplift Test
- ASTM 1592 - Uplift Test
- ASTM E1680 - Air Infiltration
- ASTM E1646 - Water Infiltration
- UL 2218 - Class 4 Impact Resistance
- Florida State Approved
- Miami Dade Approval (NOA#08-0225.03)