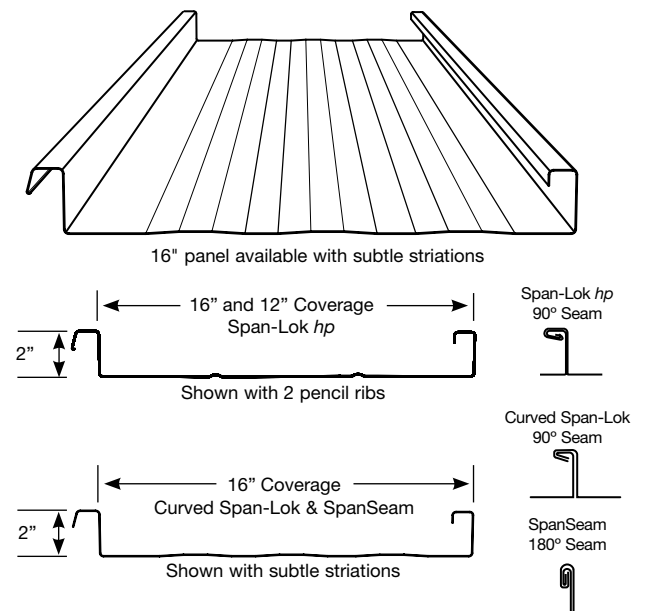


Span-Lok™ hp, Curved Span-Lok™ & SpanSeam

Span-Lok™ hp, Curved Span-Lok™ & SpanSeam

Performance-rated architectural standing seam metal roof systems.

The mechanically seamed 2" high rib, provides aesthetic appeal and weather tightness that can be used in a wide variety of new construction or retrofit applications.



Properties										Standard Finishes	
Width	Gauge	Base Steel Thickness (in)	Yield (ksi)	Tensile (ksi)	Wt. (lbs/ft²)	I+ (in⁴/ft)	S+ (in³/ft)	I- (in⁴/ft)	S- (in³/ft)	Metallic Coating	Paint System
16"	24	0.0232	50	65	1.35	0.1865	0.1132	0.1165	0.0665	AZ50	Cool DuraTech® 5000 (polyvinylidene fluoride) or DuraTech mx (metallic polyvinylidene)
	22	0.0294	50	65	1.71	0.2395	0.1485	0.1515	0.0935	AZ50	
12"	24	0.0232	50	65	1.49	0.2290	0.1449	0.1491	0.0884	AZ50	
	22	0.0294	50	65	1.86	0.2959	0.1937	0.1937	0.1242	AZ50	

NOTES: The moments of inertia, I* and I-, presented for determining deflection are: $(2I_{\text{Effective}} + I_{\text{Gross}})/3$

standard features

- Custom manufactured sheet lengths from 5'-0" to 45'-0"
- Can be installed on pitches as low as ¼":12"
- Span-Lok hp is Factory Mutual class 1-75 (5' span) and class 1-120 (2½' span) approved.
- Has been tested for air infiltration per ASTM E1680, and water infiltration per ASTM E1646 and ASTM E2140.
- Wind uplift tested in accordance with UL580 and ASTM E1592.
- Available in 24ga, and 22ga in standard finishes

optional features

- 16" Span-Lok factory notching available for turn under at the eave. Notch provides a clean detail and reduction in labor.
- Choose from subtle striations, two pencil ribs or a clean flat-pan between ribs depending on aesthetic requirements.
- 16" Span-Lok available machine curved (factory or field) for radiused applications.
- Available field formed by factory in continuous long lengths.
- Short cut sheets from 5'-0" to 1'-0". Additional fees and lead times may apply.
- Steel conforming to Buy America available. Inquire for more information.

Span-Lok™ hp, Curved Span-Lok™ & SpanSeam

16" Width Span-Lok hp & SpanSeam									
Gage	Span	Cond.	Allowable Inward Loads (lbs/ft²) per Span (ft.-in.)						
			2-0	2-6	3-0	3-6	4-0	4-6	5-0
24	SS	f	486	327	233	174	135	107	88
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	DS	f	303	200	142	104	80	63	52
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	TS	f	368	244	174	129	99	79	65
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
22	SS	f	667	442	313	233	179	142	116
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	DS	f	435	285	200	148	114	90	74
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	TS	f	530	350	247	183	141	112	91
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-

12" Width Span-Lok hp									
Gage	Span	Cond.	Allowable Inward Loads (lbs/ft²) per Span (ft.-in.)						
			2-0	2-6	3-0	3-6	4-0	4-6	5-0
24	SS	f	629	421	301	224	174	139	112
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	DS	f	405	266	188	140	107	85	70
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	TS	f	490	326	232	172	133	106	86
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
22	SS	f	873	578	409	304	235	186	151
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	DS	f	579	379	267	197	152	120	97
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-
	TS	f	705	465	329	245	189	149	122
		L/180	-	-	-	-	-	-	-
		L/60	-	-	-	-	-	-	-

Gage	Allowable Outward Loads (lbs/ft²) per Span (ft.-in.)								
	1-0	1-6	2-0	2-6	3-0	3-6	4-0	4-6	5-0
24	189.9	177.0	163.2	148.5	132.8	116.2	98.7	80.3	61.0
22	249.1	219.2	191.7	166.7	144.1	124.1	106.6	91.5	78.9

Gage	Allowable Outward Loads (lbs/ft²) per Span (ft.-in.)								
	1-0	1-6	2-0	2-6	3-0	3-6	4-0	4-6	5-0
24	226.9	208.5	190.1	171.7	153.2	134.8	116.3	97.8	79.3
22	226.9	208.5	190.1	171.7	153.2	134.8	116.3	97.8	79.3

LOADING TABLE LEGEND
 f - Load limited by allowable stress
 L - Span (Inches)
 L/180 and L/60 - Load limited by a deflection of 1/180 and L/60 of the span
 w - Distributed load

Inward Loads	SS-Single span	
	DS-Double span	
	TS-Triple span	
Outward Loads		

NOTES:

- Top values based on allowable bending and shear stress. Bottom values based on allowable deflection of L/180 and L/60.
 - "-" denotes that the allowable load is limited by the allowable stress.
 - Steel conforms to ASTM A792 (Zincalume) structural steel.
 - Values are based on the American Iron and Steel Institute (AISI) "Cold Formed Steel Design Manual" (2007 Edition).
 - Contact Representative regarding allowable loads for Curved Span-Lok.
 - Allowable outward loads are dependent upon fastener-to-substrate capacities. Maximum allowable outward loads are shown.
- Specifications subject to change without notice.

Oil Canning : All flat metal surfaces can display waviness commonly referred to as "oil canning". "Oil canning" is an inherent characteristic of steel products, not a defect, and therefore is not a cause for panel rejection.