

SSS2-16 x 0.040" AL



PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy (ksi)	WEIGHT (psf)	SHEAR Va (lbs / ft)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)	Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)
0.040"AL	18	0.776	779	0.2715	0.1741	1.8765	0.1455	0.1367	1.4738

- Notes:
1. Fy is the yield strength of the base metal.
 2. Va is the allowable vertical shear of the panel.
 3. Ix is the effective moment of inertia of the panel per foot of width.
 4. Sx is the effective section modulus of the panel per foot of width.
 5. Ma is the allowable bending moment of the panel per foot of width.
 6. All properties are calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.

ASD - ALLOWABLE UNIFORM LOAD (psf)

SPANS	LOAD TYPE	SPAN (FEET)							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
1	LIVE	312	200	139	102	78	61	50	41
	NEGATIVE WIND	245	157	109	80	61	48	39	32
	DEFL. (L / 180)	312	200	139	102	78	61	50	41
	DEFL. (L / 240)	312	200	139	102	78	61	48	36
2	LIVE	228	149	105	78	60	47	38	32
	NEGATIVE WIND	279	185	131	98	75	60	49	40
	DEFL. (L / 180)	228	149	105	78	60	47	38	32
	DEFL. (L / 240)	228	149	105	78	60	47	38	32
3	LIVE	277	183	130	96	74	59	48	40
	NEGATIVE WIND	334	225	161	120	93	74	60	50
	DEFL. (L / 180)	277	183	130	96	74	59	48	40
	DEFL. (L / 240)	277	183	130	96	74	59	48	40
4	LIVE	261	172	122	90	69	55	45	37
	NEGATIVE WIND	317	212	151	113	87	69	56	47
	DEFL. (L / 180)	261	172	122	90	69	55	45	37
	DEFL. (L / 240)	261	172	122	90	69	55	45	37

- Notes:
1. Loads have NOT been increased by 1/3.
 2. Span lengths are assumed to be equal.
 3. Self weight of panel has not been deducted from tabular values.
 4. Both Wind and Live "Load Type" values have considered combined bending and shear.
 5. Effects of web crippling and fastener/support connection have not been considered..
 6. All values have been calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.
 7. Deflection values are capped at the Live load value.