

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)									
Gauge	Width, in.	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load									
				I_{xx} in ⁴ /ft.	S_{xx} in ³ /ft.	I_{xx} in ⁴ /ft.	S_{xx} in ³ /ft.	2'	2.5'	3'	3.5	4'	4.5'	5'	5.5'	6'	8'
0.032	12	19	0.700	0.1770	0.1245	0.1770	0.4904	135.9	87.0	60.4	44.4	34.0	26.8	21.7	18.0	15.1	8.5
0.040	12	19	0.855	0.2170	0.1531	0.2170	0.6016	208.1	133.2	92.5	67.9	52.0	41.1	33.3	27.5	23.1	13.0
0.032	16	19	0.640	0.1420	0.0961	0.1420	0.4760	98.4	63.0	43.7	32.1	24.6	19.4	15.7	13.0	10.9	6.2
0.040	16	19	0.780	0.1750	0.1180	0.1750	0.5830	150.6	96.4	66.9	49.2	37.7	29.8	24.1	19.9	16.7	9.4
0.032	18	19	0.620	0.1290	0.0859	0.1290	0.4700	86.2	55.2	38.3	28.1	21.5	17.0	13.8	11.4	9.6	5.4
0.040	18	19	0.760	0.1590	0.1060	0.1590	0.5740	132.7	85.0	59.0	43.3	33.2	26.2	21.2	17.6	14.8	8.3

- Theoretical section properties have been calculated per the latest edition of the Aluminum Association's Design Manual.
 I_{xx} and S_{xx} are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with the latest edition of the Aluminum Association's Design Manual considering bending, shear, combined bending and shear and deflection. Allowable load considers a 3 or more equal span condition.
- Allowable load does not address panel weight, fasteners, connection strength or support material.
- Allowable load includes web crippling.
- Load/Span values are based on theoretical computations and not load testing.
- Deflection is not considered.
- Allowable loads do not include a 1/3 stress increase for wind.

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- Load/Span values are based on theoretical computations and not load testing.
- Deflection consideration is limited by a maximum deflection ratio of $L/120$.
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- Allowable load includes web crippling.
- Load/Span values are based on theoretical computations and not load testing.
- Deflection consideration is limited by a maximum deflection ratio of $L/180$.
- Allowable loads do not include a 1/3 stress increase for wind.

