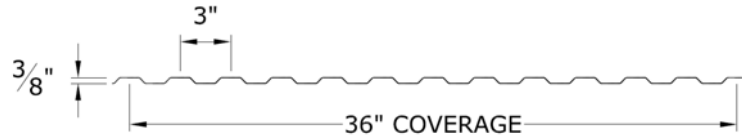




# Mini-Rib

(Bare Galvalume)



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V <sub>a</sub> kip/ft.	P <sub>a,end</sub> lbs/ft.	P <sub>a,int</sub> lbs/ft.	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> kip-in./ft.	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> kip-in./ft.
26	80.0	0.85	0.8923	731.80	1024.90	0.0040	0.0217	0.7800	0.0040	0.0208	0.7500

1. Section properties are calculated in accordance with the 2004 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V<sub>a</sub> is the allowable shear.
3. P<sub>a</sub> is the allowable load for web crippling on end & interior supports.
4. I<sub>x</sub> is for deflection determination.
5. S<sub>e</sub> is for bending.
6. M<sub>a</sub> is the allowable bending moment.
7. All values are for one foot of panel width.

## Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00
Single	Positive Wind	332	231	169	130	102	83	68	57	49	42	36	32	28	25	23	20
	Negative Wind	320	222	163	125	98	80	66	55	47	40	35	31	27	24	22	20
	Live	332	231	169	130	102	83	68	57	49	42	36	32	28	25	23	20
	Deflection (L/180)	179	103	65	43	30	22	16	12	10	8	6	5	4	3	3	2
	Deflection (L/240)	134	77	48	32	23	16	12	9	7	6	4	4	3	2	2	2
2 Span	Positive Wind	308	216	160	123	97	79	65	55	47	40	35	31	27	24	22	19
	Negative Wind	319	224	166	127	101	82	68	57	48	42	36	32	28	25	22	20
	Live	308	216	160	123	97	79	65	55	47	40	35	31	27	24	22	19
	Deflection (L/180)	431	249	157	105	73	53	40	31	24	19	15	13	10	9	7	6
	Deflection (L/240)	323	187	117	78	55	40	30	23	18	14	11	9	8	6	5	5
3 Span	Positive Wind	379	267	198	152	121	98	81	68	58	50	44	38	34	30	27	24
	Negative Wind	392	277	205	158	126	102	84	71	60	52	45	40	35	31	28	25
	Live	379	267	198	152	121	98	81	68	58	50	44	38	34	30	27	24
	Deflection (L/180)	337	195	123	82	57	42	31	24	19	15	12	10	8	7	6	5
	Deflection (L/240)	253	146	92	61	43	31	23	18	14	11	9	7	6	5	4	3
4 Span	Positive Wind	355	250	185	143	113	92	76	64	54	47	41	36	32	28	25	23
	Negative Wind	368	259	192	148	117	95	79	66	56	49	42	37	33	29	26	24
	Live	355	250	185	143	113	92	76	64	54	47	41	36	32	28	25	23
	Deflection (L/180)	358	207	130	87	61	44	33	25	20	16	13	10	9	7	6	5
	Deflection (L/240)	268	155	98	65	46	33	25	19	15	12	9	8	6	5	4	4

Notes:

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. Negative Wind is wind suction or uplift and is **NOT** increased by 33 1/3%.
4. Live is the allowable live or snow load.
5. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
6. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
7. The weight of the panel has **NOT** been deducted from the allowable loads.
8. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & 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.
11. Load Tables are limited to a maximum allowable load of 500 psf.