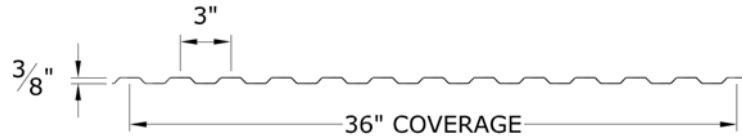




Mini-Rib

(Bare Galvalume & Painted Galvalume)



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (KSI)	WEIGHT (PSF)	V _a kip/ft.	P _{a,end} lbs/ft.	P _{a,int} lbs/ft.	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a kip-in./ft.	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a kip-in./ft.
26	50.0	0.87	0.7650	641.50	900.50	0.0050	0.0238	0.7100	0.0050	0.0228	0.6800

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_a is the allowable shear.
3. P_a is the allowable load for web crippling on end & interior supports.
4. I_x is for deflection determination.
5. S_e is for bending.
6. M_a 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	302	210	154	118	93	75	62	52	44	38	33	29	26	23	20	18
	Negative Wind	290	201	148	113	89	72	59	50	42	37	32	28	25	22	20	18
	Live	302	210	154	118	93	75	62	52	44	38	33	29	26	23	20	18
	Deflection (L/180)	223	129	81	54	38	27	21	16	12	10	8	6	5	4	4	3
	Deflection (L/240)	167	97	61	40	28	20	15	12	9	7	6	5	4	3	3	2
2 Span	Positive Wind	278	195	144	111	88	71	59	49	42	36	32	28	25	22	20	18
	Negative Wind	289	203	150	116	92	74	61	52	44	38	33	29	26	23	20	18
	Live	278	195	144	111	88	71	59	49	42	36	32	28	25	22	20	18
	Deflection (L/180)	500	311	196	131	92	67	50	38	30	24	19	16	13	11	9	8
	Deflection (L/240)	404	233	147	98	69	50	37	29	23	18	14	12	10	8	7	6
3 Span	Positive Wind	341	241	179	138	109	89	73	62	53	45	40	35	31	27	25	22
	Negative Wind	354	251	186	144	114	93	77	64	55	47	41	36	32	29	26	23
	Live	341	241	179	138	109	89	73	62	53	45	40	35	31	27	25	22
	Deflection (L/180)	422	244	153	103	72	52	39	30	24	19	15	12	10	9	7	6
	Deflection (L/240)	316	183	115	77	54	39	29	22	18	14	11	9	8	6	5	4
4 Span	Positive Wind	320	226	167	129	102	83	69	58	49	42	37	32	29	26	23	21
	Negative Wind	333	235	174	134	107	87	72	60	51	44	39	34	30	27	24	22
	Live	320	226	167	129	102	83	69	58	49	42	37	32	29	26	23	21
	Deflection (L/180)	448	259	163	109	76	56	42	32	25	20	16	13	11	9	8	7
	Deflection (L/240)	336	194	122	82	57	42	31	24	19	15	12	10	8	7	6	5

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.