

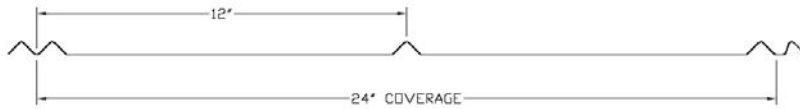


TECHNICAL BULLETIN

Issue Date : June 1, 2006

No. 07-191-06

5-V Crimp



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.
29	80.0	0.71	0.3859	264.85	394.20	0.0025	0.0062	0.2210	0.0010	0.0072	0.1710

- Section properties are calculated in accordance with the 2001 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
- V_a is the allowable shear.
- P_a is the allowable load for web crippling on end & interior supports.
- I_x is for deflection determination.
- S_e is for bending.
- M_a is the allowable bending moment.
- All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

Span Type	Load Type	Span in Feet															
		0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
Single	Positive Wind	2357	589	261	147	94	65	48	36	29	23	19	16	13	12	10	9
	Negative Wind	1824	456	202	114	72	50	37	28	22	18	15	12	10	9	8	7
	Live	2357	589	261	147	94	65	48	36	29	23	19	16	13	12	10	9
	Deflection (L/180)	13985	1748	517	218	111	64	40	27	19	13	10	8	6	5	4	3
	Deflection (L/240)	10488	1311	388	163	83	48	30	20	14	10	7	6	4	3	3	2
2 Span	Positive Wind	1467	427	196	112	72	50	37	28	22	18	15	12	10	9	8	7
	Negative Wind	1705	531	249	143	92	64	47	36	28	23	19	16	13	11	10	9
	Live	1467	427	196	112	72	50	37	28	22	18	15	12	10	9	8	7
	Deflection (L/180)	23581	2947	873	368	188	109	68	46	32	23	17	13	10	8	6	5
	Deflection (L/240)	17686	2210	655	276	141	81	51	34	24	17	13	10	8	6	5	4
3 Span	Positive Wind	1706	521	242	139	89	62	46	35	28	22	18	15	13	11	10	8
	Negative Wind	1937	639	305	177	114	79	58	44	35	28	23	19	16	14	12	11
	Live	1706	521	242	139	89	62	46	35	28	22	18	15	13	11	10	8
	Deflection (L/180)	18473	2309	684	288	147	85	53	36	25	18	13	10	8	6	5	4
	Deflection (L/240)	13855	1731	513	216	110	64	40	27	19	13	10	8	6	5	4	3
4 Span	Positive Wind	1631	490	227	130	83	58	43	33	26	21	17	14	12	10	9	8
	Negative Wind	1866	604	287	165	107	75	55	42	33	27	22	19	16	13	12	10
	Live	1631	490	227	130	83	58	43	33	26	21	17	14	12	10	9	8
	Deflection (L/180)	19610	2451	726	306	156	90	57	38	26	19	14	11	8	7	5	4
	Deflection (L/240)	14707	1838	544	229	117	68	42	28	20	14	11	8	6	5	4	3

Notes:

- Allowable uniform loads are based upon equal span lengths.
- Positive Wind is wind pressure and is **NOT** increased by 33 1/3 %.
- Negative Wind is wind suction or uplift and is **NOT** increased by 33 1/3%.
- Live is the allowable live or snow load.
- Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
- Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
- The weight of the panel has **NOT** been deducted from the allowable loads.
- Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. C3.3.1-1 of the AISI Specification.
- Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
- Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.

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