

5V CRIMP x 26ga



PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy	WEIGHT	SHEAR	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
	(ksi)		Va	Ix	Sx	Ma	Ix	Sx	Ma
	(psf)	(lbs / ft)	(in4 / ft)	(in3 / ft)	(in.-k)	(in4 / ft)	(in3 / ft)	(in.-k)	
26	50	0.785	372	0.0020	0.0060	0.1795	0.0015	0.0048	0.1425

- 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)							
		1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
1	LIVE	119	53	29	19	13	9	7	5
	NEGATIVE WIND	95	42	23	15	10	7	5	4
	DEFL. (L / 180)	119	50	21	10	6	4	2	1
	DEFL. (L / 240)	119	38	16	8	4	3	2	1
2	LIVE	93	41	23	15	10	7	5	4
	NEGATIVE WIND	117	52	29	19	13	9	7	5
	DEFL. (L / 180)	93	41	23	15	10	7	5	4
	DEFL. (L / 240)	93	41	23	15	10	7	4	3
3	LIVE	116	52	29	18	13	9	7	5
	NEGATIVE WIND	145	65	37	23	16	12	9	7
	DEFL. (L / 180)	116	52	29	18	12	7	5	3
	DEFL. (L / 240)	116	52	29	15	9	5	3	2
4	LIVE	109	48	27	17	12	9	6	5
	NEGATIVE WIND	136	61	34	22	15	11	8	6
	DEFL. (L / 180)	109	48	27	17	12	8	5	3
	DEFL. (L / 240)	109	48	27	16	9	6	4	2

- 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. For use over continuous structural substrate only.
 8. Deflection values are capped at the Live load value.