5V CRIMP - GALVANIZED

PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy	WEIGHT	SHEAR	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
			Va	Ix	Sx	Ma	Ix	Sx	Ma
	(ksi)	(psf)	(lbs / ft)	(in4 / ft)	(in3 / ft)	(in.-k)	(in4 / ft)	(in3 / ft)	(in.-k)
29	80	0.564	323	0.0015	0.0043	0.1550	0.0010	0.0032	0.1155

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	103	45	25	16	11	8	6	5
	NEGATIVE WIND	77	34	19	12	8	6	4	3
	DEFL. (L / 180)	103	38	16	8	4	3	2	1
	DEFL. (L / 240)	96	28	12	6	3	2	1	1
2	LIVE	76	34	19	12	8	6	4	3
	NEGATIVE WIND	101	45	25	16	11	8	6	5
	DEFL. (L / 180)	76	34	19	12	8	6	4	3
	DEFL. (L / 240)	76	34	19	12	8	5	3	2
3	LIVE	94	42	23	15	10	7	6	4
	NEGATIVE WIND	120	53	30	19	13	9	7	5
	DEFL. (L / 180)	94	42	23	15	9	5	3	2
	DEFL. (L / 240)	94	42	22	11	6	4	2	2
4	LIVE	88	39	22	14	9	7	5	4
	NEGATIVE WIND	117	52	29	19	13	9	7	5
	DEFL. (L / 180)	88	39	22	14	9	6	4	2
	DEFL. (L / 240)	88	39	22	12	7	4	3	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.