



Artisan L10 Panel

SECTION PROPERTIES								
PANEL	Fy	WEIGHT	NEGATIVE BENDING			POSITIVE BENDING		
			lxe	Sxe	Maxo	lxe	Sxe	Maxo
GAUGE	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
24	50	1.37	0.0309	0.0361	1.0799	0.0209	0.0348	1.0418
22	50	1.73	0.0425	0.0501	1.4991	0.0296	0.0517	1.5479

NOTES:

1. All calculations for the properties of Artisan L10 panels are calculated in accordance with the 1996 edition of the COLD-FORMED STEEL Design Manual, w/ 1999 supplement - published by the American Iron and Steel Institute (AISI).
2. lxe is for deflection determination.
3. Sxe is for Bending.
4. Maxo is allowable bending moment.
5. All values are for the one foot of panel width.

ALLOWABLE UNIFORM LOADS IN POUNDS PER SQUARE FOOT

24 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	POSITIVE WIND LOAD	228.4	116.9	67.7	42.6	28.5	20.0	14.6
2-SPAN	POSITIVE WIND LOAD	165.7	107.8	75.5	55.8	42.9	34.0	27.6
3-SPAN	POSITIVE WIND LOAD	203.2	133.0	93.6	69.3	53.3	37.8	27.6
4-SPAN	POSITIVE WIND LOAD	191.0	124.8	87.6	64.9	49.9	39.5	29.3

22 Gauge (Fy = 50 KSI)								
SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		2.0	2.5	3.0	3.5	4.0	4.5	5.0
SINGLE	POSITIVE WIND LOAD	323.4	165.6	95.8	60.3	40.4	28.4	20.7
2-SPAN	POSITIVE WIND LOAD	242.5	158.6	111.4	82.5	63.5	50.3	40.8
3-SPAN	POSITIVE WIND LOAD	295.7	194.9	137.7	113.9	76.3	53.6	39.1
4-SPAN	POSITIVE WIND LOAD	278.5	183.1	129.1	95.7	73.7	56.9	41.5

NOTES:

1. Allowable loads are based on uniform span lengths.
2. POSITIVE WIND LOAD has been increased by 33.333%.
3. POSITIVE WIND LOAD is limited by bending, shear, combined shear & bending, or web crippling.
4. POSITIVE WIND LOAD is limited by a maximum deflection ratio of L/180 of span.
5. Contact MBCI for negative wind load values.