

**NEGATIVE WIND PRESSURE LOAD/SPAN CHART
PETERSEN ALUMINUM - PRECISION HIGHLINE SERIES
HLS1 @ 12" X 032 ALUMINUM (w/fastener leg)**



PAC PRECISION SERIES HIGHLINE - S1

THREE OR MORE EQUAL SPANS	
Span (in feet)	(-) w (PSF)
1.00	95.18
1.25	76.15
1.50	63.45
1.75	54.39
2.00	47.59
2.25	42.30
2.50	38.07
2.75	34.61
3.00	31.73
3.25	29.29
3.50	27.19
3.75	25.38
4.00	23.07

NOTES

- 1 (-) W = Allowable Uniform Wind Pressure, psf
- 2 Charted values consider Bending Stress, Connection Strength and a deflection limit of L/180
- 3 Allowable Bending Stress determination considers a Factor-of-Safety of 1.65
- 4 Allowable Connection Strength determination considers a Factor-of-Safety of 2.0
- 5 Negative wind pressure testing utilized ASTM E-330 protocol.
- 6 Tests were performed by Farabaugh Engineering & Testing, Inc.
- 7 Section of Properties determination based on the latest edition of the AISI Specification or Aluminum Association Testing.

4/13/2017