

NEGATIVE ALLOWABLE UNIFORM LOADS PETERSEN HWP PANEL 16" X 0.032" PERF. ALUMINUM (w/ Screw Leg)		
	2-Span	3-Span
Span in feet	(-) W (psf)	(-) W (psf)
1.00	132.6	165.8
1.50	58.9	73.7
2.00	33.2	41.4
2.50	21.2	26.5
3.00	14.7	18.4
3.50	10.8	13.5
4.00	8.3	10.4

Notes :

Panel Gauge : 0.032" Aluminum

Panel Width : 16"

Alloy : 3003-H14

$F_{c(allow)}$: 8.5 ksi

Moment Allowable $M_{(allow)}$ when perforated face is in compression : 198.9 in-#

1. Theoretical section properties have been calculated per the latest edition of the Aluminum Association's Design Manual.
2. Allowable load does not address web crippling, fasteners, connection strength or support material.
3. Load/Span values are based on theoretical computations and not load testing.
4. Deflection is **not considered**.
5. Posted values above consider worst case negative uniform loads.
6. Perforation pattern : 3/8" round holes at 5/16 staggered centers - 40% open area.
7. Perforated panels have been evaluated for uniform load only.
8. Point loading is not recommended.

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