

CF Allowable Reaction Loads (PIR)

Due to Suction (-) Load

Std. U clip, U clip + Back Fasteners, V6 & V6+ Clips; (w/two clip fasteners at end and interior supports)									
Fastener Pattern	Support Thickness (min. ga.)	Support Location	Allowable Reaction (lbs/ft.width)						
			Panel Thickness						
			2	2.5	3	4	5	6	8
U clip	14	End	70.0	73.2	76.9	81.4	85.7	90.0	90.0
U clip	14	Interior	217.7	230.3	242.9	295.1	315.7	336.3	336.3
*(U) FP2	14	End	94.0	97.8	102.2	107.7	112.8	118.0	118.0
*(U) FP2	14	Interior	235.1	248.7	262.3	318.8	341.0	363.2	363.2
*(U) FP3	14	End	104.5	108.8	113.8	119.9	125.7	131.5	131.5
*(U) FP3	14	Interior	264.5	279.8	295.1	338.7	362.3	385.9	385.9
*(U) FP4	14	End	115.0	119.8	125.3	132.1	138.6	145.0	145.0
*(U) FP4	14	Interior	293.9	310.9	327.9	354.2	378.8	403.5	403.5
V6 clip	14	End			72.3	87.1	74.9	62.6	62.6
V6 clip	14	Interior			231.7	291.7	318.9	346.0	346.0
V6+ clip	14	End			126.6	146.3	170.7	195.1	195.1
V6 + clip	14	Interior			231.7	291.7	318.9	346.0	346.0

_U, V6,V6+ clip reaction table- CF PIR - Rev3a.xlsx

Notes:

1. The panel connection strength was determined from ASTM E1592 testing and the allowable loads are calculated with a factor of safety of 2.15.
2. V clips are installed with 2 fasteners at interior and end supports.
3. V clip fastening includes: #1/4-14 fasteners; into minimum 14 ga. Steel.
4. The structural capacity of the girts are not considered and must be examined independently.
5. Fastener capacity must be verified independently.
6. *Testing of FP1 (w/Back-Fastening: FP2, FP3, FP4) by EnconSM Consultants, Inc.