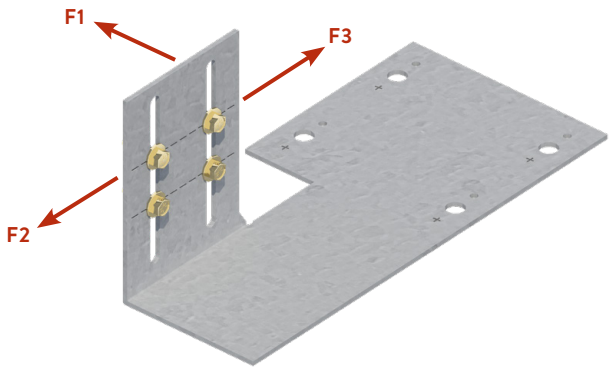
FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURE: **PAF's INTO STEEL**

3-5/8" Flat Tail Slide Clip™ (FTSC3)

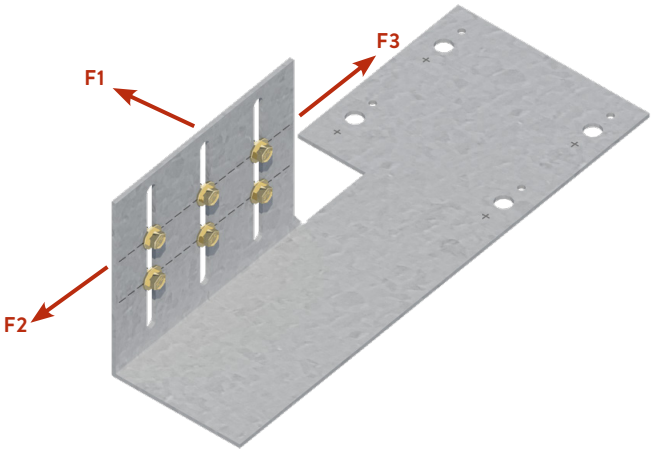
Clip designation	Thickness	Attachment to Structure	ASD Allowable Loads (lbs)		
			F1 Load	F2 Load	F3 Load
FTSC3-97 97mil (12ga)	33mil (20ga)	(2) 0.157" PAFs in 3/16" Steel	110	416	388
	43mil (18ga)		144	548	397
	54mil (16ga)		230	641	596
	68mil (14ga)		230	641	641
	97mil (12ga)		230	641	641
	33mil (20ga)	(4) 0.157" PAFs in 3/16" Steel	110	506	428
	43mil (18ga)		144	660	397
	54mil (16ga)		261	759	596
	68mil (14ga)		268	766	673
	97mil (12ga)		468	909	769
FTSC3-118 118mil (10ga)	33mil (20ga)	(2) 0.157" PAFs in 3/16" Steel	110	607	406
	43mil (18ga)		144	641	603
	54mil (16ga)		230	641	641
	68mil (14ga)		230	641	641
	97mil (12ga)		230	641	641
	33mil (20ga)	(4) 0.157" PAFs in 3/16" Steel	110	607	445
	43mil (18ga)		144	816	603
	54mil (16ga)		261	816	789
	68mil (14ga)		328	924	860
	97mil (12ga)		468	924	924



FTSC3

6" Flat Tail Slide Clip™ (FTSC6)

Clip designation	Thickness	Attachment to Structure	ASD Allowable Loads (lbs)		
			F1 Load	F2 Load	F3 Load
FTSC6-97 97mil (12ga)	33mil (20ga)	(2) 0.157" PAFs in 3/16" Steel	165	641	551
	43mil (18ga)		211	641	641
	54mil (16ga)		211	641	641
	68mil (14ga)		211	641	641
	97mil (12ga)		211	641	641
	33mil (20ga)	(4) 0.157" PAFs in 3/16" Steel	165	869	594
	43mil (18ga)		216	959	755
	54mil (16ga)		392	1025	930
	68mil (14ga)		476	1025	1025
	97mil (12ga)		484	1025	1025
FTSC6-118 118mil (10ga)	33mil (20ga)	(2) 0.157" PAFs in 3/16" Steel	165	641	594
	43mil (18ga)		211	641	641
	54mil (16ga)		211	641	641
	68mil (14ga)		211	641	641
	97mil (12ga)		211	641	641
	33mil (20ga)	(4) 0.157" PAFs in 3/16" Steel	165	953	594
	43mil (18ga)		216	1025	891
	54mil (16ga)		392	1025	1025
	68mil (14ga)		484	1025	1025
	97mil (12ga)		484	1025	1025



FTSC6

Notes:

1 Allowable loads have not been increased for wind, seismic, or other factors.

2 Stud connection is based on stud yield strength of: 33ksi for 20ga (33mil) and 18ga (43mil) studs. 50ksi for (16ga) 54mil and thicker.

3 (2) #14 Shouldered screws (FastClip™ Deflection Screws) shall be used per slot - placed with 1-in center-to-center spacing.
- (4) total screws for the FTSC3 (3-5/8" Clip)
- (6) total screws for the FTSC6 (6" Clip)
- #14 FastClip Deflection Screws are provided with each Flat Tail Slide Clip

4 0.157" Hilti XU PAF's shall be used for attachment to steel structure. (2) Fastener condition shall be used when a larger offset is required between the structure and the stud. In all other conditions (4) Fastener condition shall be used. PAF's should be located at cross intersections scribed on the FTSC clip.

5 The minimum edge distance for each fastener type shall comply with the fastener manufacturer's recommendation.

6 Capacities listed for Hilti PAFs are based on fastener strengths listed in ICC ESR-2269.

7 It is the responsibility of the design professional to detail the attachment of the clips and verify that their capacity meets the requirements of the intended application.