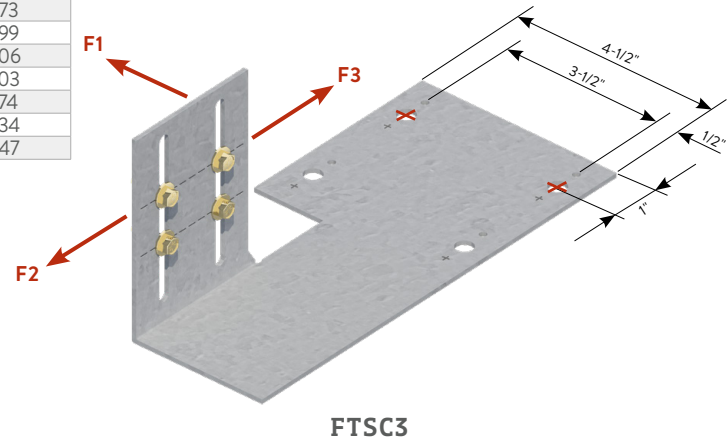


FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURE **HILTI KWIK IN CONCRETE**

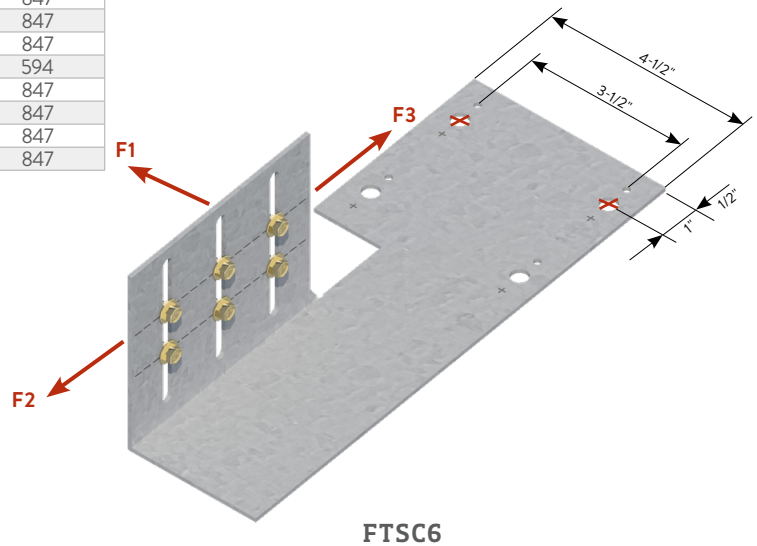
3-5/8" Flat Tail Slide Clip™ (FTSC3)

Clip designation	Thickness	Attachment to Structure	ASD Allowable Loads (lbs)		
			F1 Load	F2 Load	F3 Load
FTSC3-97 12ga (97mil)	33mil (20ga)	(2) 1/4" Hilti KWIK	110	416	388
	43mil (18ga)	HUS-EZ	144	548	397
	54mil (16ga)	(2-1/2" Embedment	261	759	596
	68mil (14ga)	into 3000 psi	268	766	673
FTSC3-118 10ga (118mil)	97mil (12ga)	uncracked concrete)	303	847	699
	33mil (20ga)	(2) 1/4" Hilti KWIK	110	607	406
	43mil (18ga)	HUS-EZ	144	816	603
	54mil (16ga)	(2-1/2" Embedment	261	816	774
	68mil (14ga)	into 3000 psi	303	847	834
	97mil (12ga)	uncracked concrete)	303	847	847



6" Flat Tail Slide Clip™ (FTSC6)

Clip designation	Thickness	Attachment to Structure	ASD Allowable Loads (lbs)		
			F1 Load	F2 Load	F3 Load
FTSC6-97 12ga (97mil)	33mil (20ga)	(2) 1/4" Hilti KWIK	165	845	551
	43mil (18ga)	HUS-EZ	216	847	724
	54mil (16ga)	(2-1/2" Embedment	277	847	847
	68mil (14ga)	into 3000 psi	277	847	847
FTSC6-118 10ga (118mil)	97mil (12ga)	uncracked concrete)	277	847	847
	33mil (20ga)	(2) 1/4" Hilti KWIK	165	847	594
	43mil (18ga)	HUS-EZ	216	847	847
	54mil (16ga)	(2-1/2" Embedment	277	847	847
	68mil (14ga)	into 3000 psi	277	847	847
	97mil (12ga)	uncracked concrete)	277	847	847



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 1/4" Hilti KWIK HUS-EZ Anchors shall be used for attachment to concrete structure. Anchors shall only be placed in 3/8" diameter holes.
- 5 Capacities listed in the table/notes consider a 3" minimum edge distance for 1/4" Hilti KWIK HUS-EZ anchors embedded 2-1/2" deep into 3000 psi cracked or uncracked concrete.
- 6 The load adjustment for 3-1/2" spacing between concrete anchors has been accounted in the tabulated values.
- 7 The minimum concrete thickness (7" thick for 2-1/2" embedment) shall comply with the fastener manufacturer's recommendation.
- 8 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.