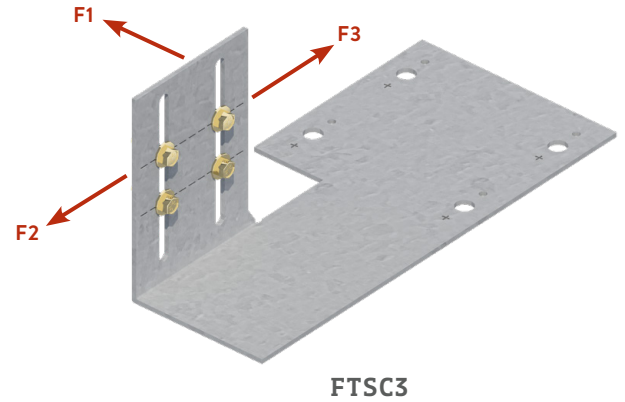


FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURE: 1/4-28 FASTENERS INTO STEEL

3-5/8" Flat Tail Slide Clip™ (FTSC3)

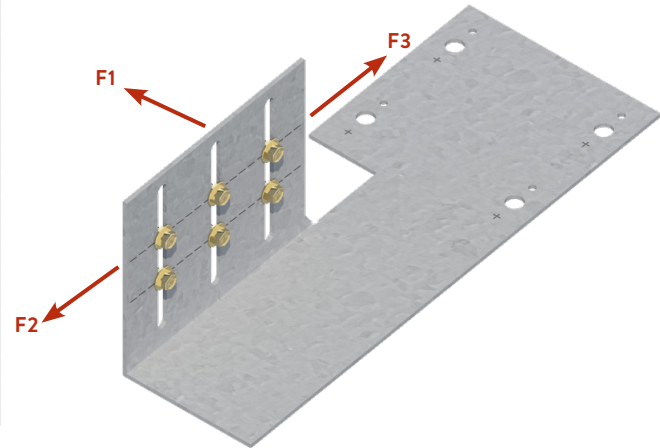
Clip designation	Thickness	Attachment to Structure	ASD Allowable Loads (lbs)		
			F1 Load	F2 Load	F3 Load
FTSC3-97 97mil (12ga)	33mil (20ga)	(2) 1/4-28 Fasteners to 3/16" Steel	110	416	388
	43mil (18ga)		144	548	397
	54mil (16ga)		261	759	596
	68mil (14ga)		268	766	673
	97mil (12ga)		305	847	699
	33mil (20ga)	(4) 1/4-28 Fasteners to 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) 1/4-28 Fasteners to 3/16" Steel	110	607	406
	43mil (18ga)		144	816	603
	54mil (16ga)		261	816	774
	68mil (14ga)		328	924	834
	97mil (12ga)		337	924	924
	33mil (20ga)	(4) 1/4-28 Fasteners to 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) 1/4-28 Fasteners to 3/16" Steel	165	845	551
	43mil (18ga)		216	847	724
	54mil (16ga)		283	847	847
	68mil (14ga)		283	847	847
	97mil (12ga)		283	847	847
	33mil (20ga)	(4) 1/4-28 Fasteners to 3/16" Steel	165	869	594
	43mil (18ga)		216	959	755
	54mil (16ga)		392	1057	930
	68mil (14ga)		476	1220	1055
	97mil (12ga)		639	1288	1288
FTSC6-118 118mil (10ga)	33mil (20ga)	(2) 1/4-28 Fasteners to 3/16" Steel	165	861	594
	43mil (18ga)		216	931	874
	54mil (16ga)		314	931	931
	68mil (14ga)		314	931	931
	97mil (12ga)		314	931	931
	33mil (20ga)	(4) 1/4-28 Fasteners to 3/16" Steel	165	953	594
	43mil (18ga)		216	1221	891
	54mil (16ga)		392	1375	1215
	68mil (14ga)		492	1375	1316
	97mil (12ga)		702	1375	1375



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 1/4-28 Fasteners 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. Screws to be placed through 5/32" pilot holes in FTSC.
- 5 The minimum edge distance for each fastener type shall comply with the fastener manufacturer's recommendation.
- 6 Capacities listed for 1/4-28 Fasteners are based on screw strengths listed in ICC ESR-1976.
- 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.