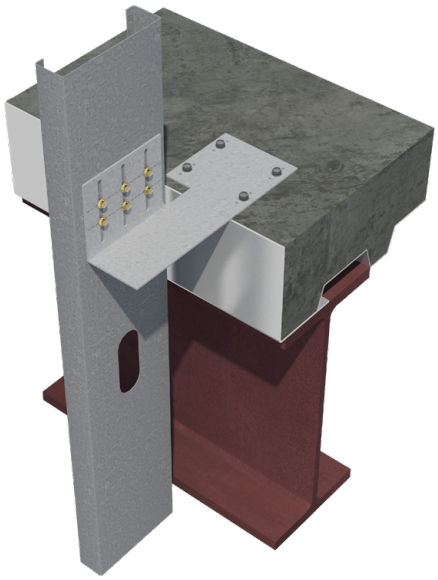
# FLAT TAIL SLIDE CLIP™ (FTSC)

**Curtain Wall/Bypass**

## Allows for vertical building movement and provides a horizontal standoff

ClarkDietrich Flat Tail™ Slide Clip is used to attach exterior curtain-wall studs to the building structure and provide for 2-1/4" vertical building movement independent of the cold-formed steel framing. A Flat Tail Slide Clip provides variable standoff and eliminates the need for shims or additional framing components. The clip easily fastens to the floor/ceiling beam and is secured to the stud with ClarkDietrich proprietary deflection screws. The clip restricts lateral movement, but enables vertical building movement.



### MATERIAL SPECIFICATIONS

**Yield Strength:** 50ksi
**Coating:** G90
**ASTM:** A653 / A1003

### CLIP THICKNESS

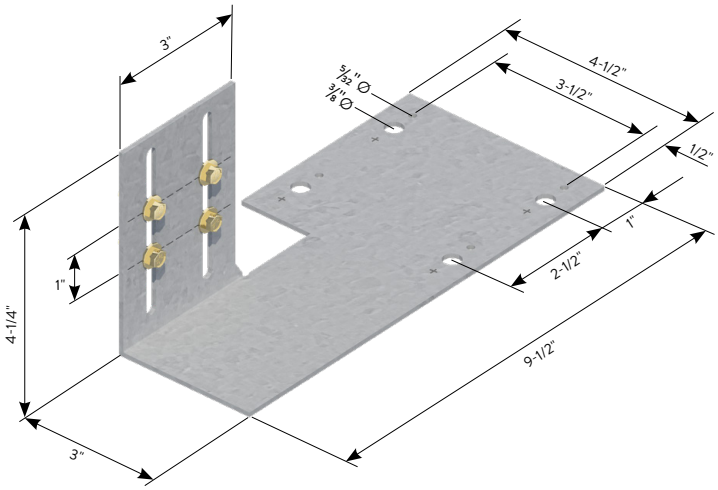
**Gauge:** 12ga (97mil)
**Design Thickness:** 0.1017"
**Min. Thickness:** 0.0966"

**Gauge:** 10ga (118mil)
**Design Thickness:** 0.1242"
**Min. Thickness:** 0.1180"

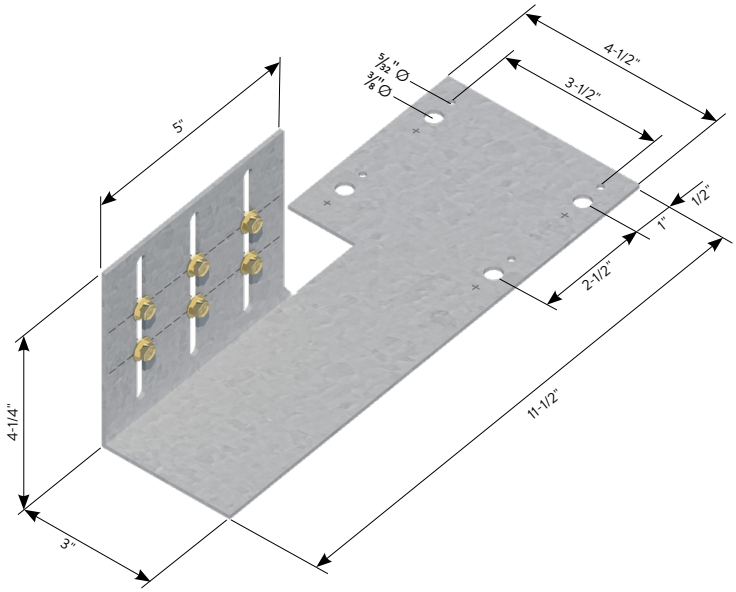
**FastClip™ Deflection Screw**

### PACKAGING

**Clips:** 25 Clips per bucket. (Includes 110 FastClip Deflection Screws for FTSC3 per bucket)
(Includes 160 FastClip Deflection Screws for FTSC6 per bucket)




**FTSC3**



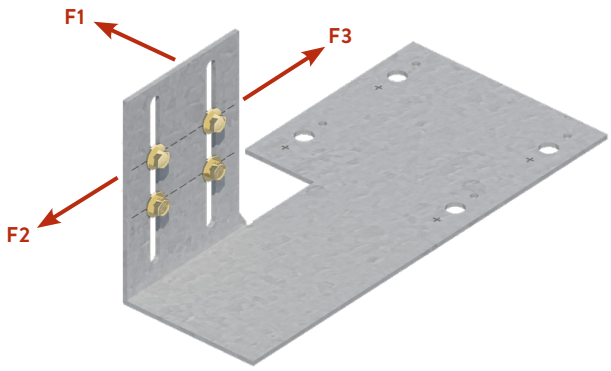

**FTSC6**

# FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

**ATTACHMENT TO STRUCTURE: DESIGNED BY OTHERS**

## 3-5/8" Flat Tail Slide Clip™ (FTSC3)

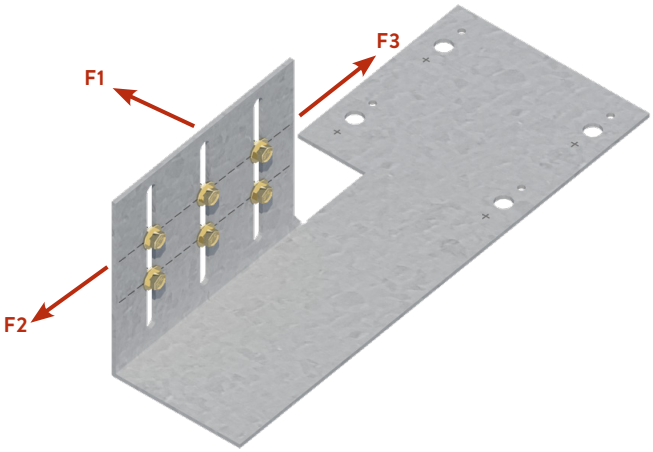
| Clip designation | Thickness | Attachment to Structure | ASD Allowable Loads (lbs) | | |
|---|---|---|---|---|---|
| | | | F1 Load | F2 Load | F3 Load |
| FTSC3-97 97mil (12ga) | 33mil (20ga) | (2) Fasteners to be designed by others | 110 | 416 | 388 |
| | 43mil (18ga) | | 144 | 548 | 397 |
| | 54mil (16ga) | | 261 | 759 | 596 |
| | 68mil (14ga) | | 268 | 766 | 673 |
| | 97mil (12ga) | | 468 | 909 | 699 |
| | 33mil (20ga) | (4) Fasteners to be designed by others | 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) Fasteners to be designed by others | 110 | 607 | 406 |
| | 43mil (18ga) | | 144 | 816 | 603 |
| | 54mil (16ga) | | 261 | 816 | 774 |
| | 68mil (14ga) | | 328 | 924 | 834 |
| | 97mil (12ga) | | 468 | 924 | 924 |
| | 33mil (20ga) | (4) Fasteners to be designed by others | 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 12ga (97mil) | 33mil (20ga) | (2) Fasteners to be designed by others | 165 | 845 | 551 |
| | 43mil (18ga) | | 216 | 946 | 724 |
| | 54mil (16ga) | | 316 | 1057 | 914 |
| | 68mil (14ga) | | 444 | 1163 | 962 |
| | 97mil (12ga) | | 444 | 1383 | 1063 |
| | 33mil (20ga) | (4) Fasteners to be designed by others | 165 | 869 | 594 |
| | 43mil (18ga) | | 216 | 959 | 755 |
| | 54mil (16ga) | | 392 | 1057 | 930 |
| | 68mil (14ga) | | 476 | 1220 | 1055 |
| | 97mil (12ga) | | 650 | 1558 | 1314 |
| FTSC6-118 118mil (10ga) | 33mil (20ga) | (2) Fasteners to be designed by others | 165 | 861 | 594 |
| | 43mil (18ga) | | 216 | 1173 | 874 |
| | 54mil (16ga) | | 337 | 1515 | 1181 |
| | 68mil (14ga) | | 492 | 1682 | 1265 |
| | 97mil (12ga) | | 492 | 2026 | 1439 |
| | 33mil (20ga) | (4) Fasteners to be designed by others | 165 | 953 | 594 |
| | 43mil (18ga) | | 216 | 1221 | 891 |
| | 54mil (16ga) | | 392 | 1515 | 1215 |
| | 68mil (14ga) | | 492 | 1682 | 1439 |
| | 97mil (12ga) | | 702 | 2026 | 1523 |




FTSC6

**Notes:**

1 Capacities represent the capacity of the clip and the stud connection.

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

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

4 (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

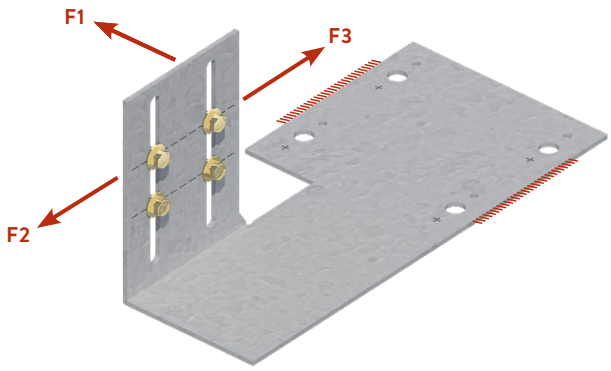
5 It is the responsibility of the design professional to detail the attachment of the clips and verify that their capacity meets the requirements of the intended application.

# FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURE: **WELDED**

## 3-5/8" Flat Tail Slide Clip™ (FTSC3)

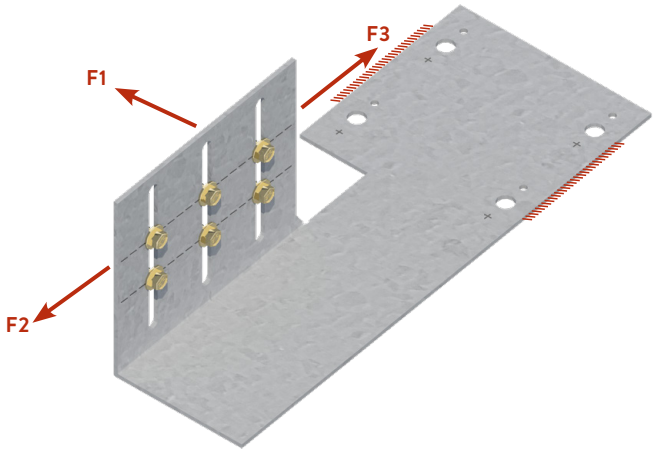
| Clip designation | Thickness | Attachment to Structure | ASD Allowable Loads (lbs) | | |
|---|---|---|---|---|---|
| | | | F1 Load | F2 Load | F3 Load |
| FTSC3-97 97mil (12ga) | 33mil (20ga) | (2) Welds - min. 2" length each on either ends | 110 | 506 | 428 |
| | 43mil (18ga) | | 144 | 660 | 397 |
| | 54mil (16ga) | | 261 | 759 | 596 |
| | 68mil (14ga) | | 268 | 766 | 673 |
| | 97mil (12ga) | | 468 | 909 | 769 |
| FTSC3-118 118mil (10ga) | 33mil (20ga) | (2) Welds - min. 2" length each on either ends | 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) Welds - min. 2-3/4" length each on either ends | 165 | 869 | 594 |
| | 43mil (18ga) | | 216 | 959 | 755 |
| | 54mil (16ga) | | 392 | 1057 | 930 |
| | 68mil (14ga) | | 476 | 1220 | 1055 |
| | 97mil (12ga) | | 650 | 1558 | 1314 |
| FTSC6-118 118mil (10ga) | 33mil (20ga) | (2) Welds - min. 2-3/4" length each on either ends | 165 | 953 | 594 |
| | 43mil (18ga) | | 216 | 1221 | 891 |
| | 54mil (16ga) | | 392 | 1515 | 1215 |
| | 68mil (14ga) | | 492 | 1682 | 1316 |
| | 97mil (12ga) | | 702 | 2026 | 1523 |




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 The tabulated values for welds are based on the following weld lengths:
- For FTSC3 (3-5/8" Clip) use (2) 2" of weld along parallel edges of the Flat Tail structural attachment leg. (As shown)
- For FTSC6 (6" Clip) use (2) 2-3/4" of weld along parallel edges of the Flat Tail structural attachment leg. (As shown)

5 Use E70XX (min.) electrodes.

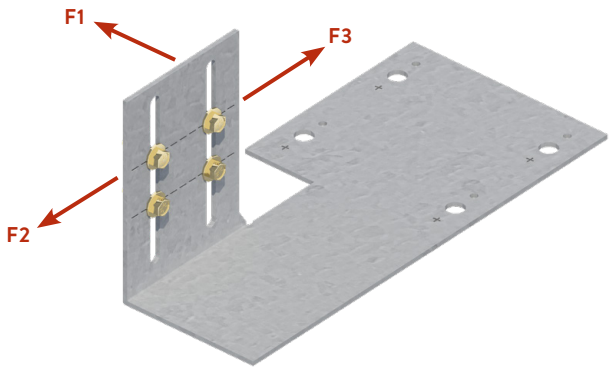
6 It is the responsibility of the design professional to detail the attachment of the clips and verify that their capacity meets the requirements of the intended application.

# FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

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

## 3-5/8" Flat Tail Slide Clip™ (FTSC3)

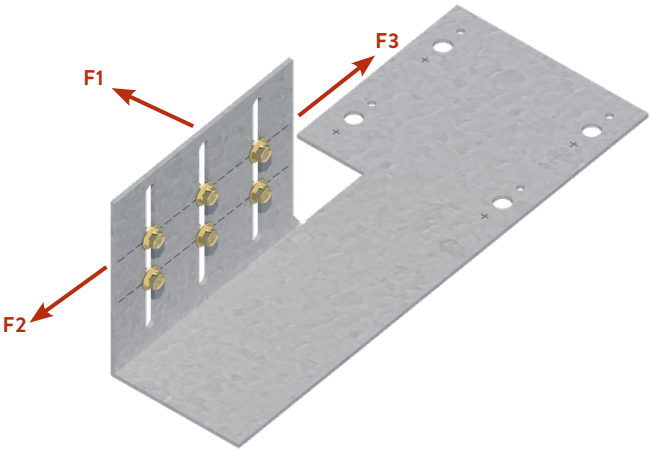
| Clip designation | Thickness | Attachment to Structure | ASD Allowable Loads (lbs) | | |
|---|---|---|---|---|---|
| | | | F1 Load | F2 Load | F3 Load |
| FTSC3-97 97mil (12ga) | 33mil (20ga) | (2) 1/4-28 Fasteners to 3/16" Steel | 110 | 416 | 388 |
| | 43mil (18ga) | | 144 | 548 | 397 |
| | 54mil (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.

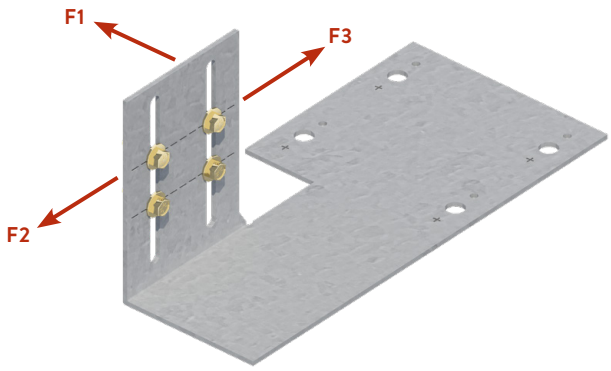
7 It is the responsibility of the design professional to detail the attachment of the clips and verify that their capacity meets the requirements of the intended application.

# FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

**ATTACHMENT TO STRUCTURE: 12-24 FASTENERS INTO STEEL**

## 3-5/8" Flat Tail Slide Clip™ (FTSC3)

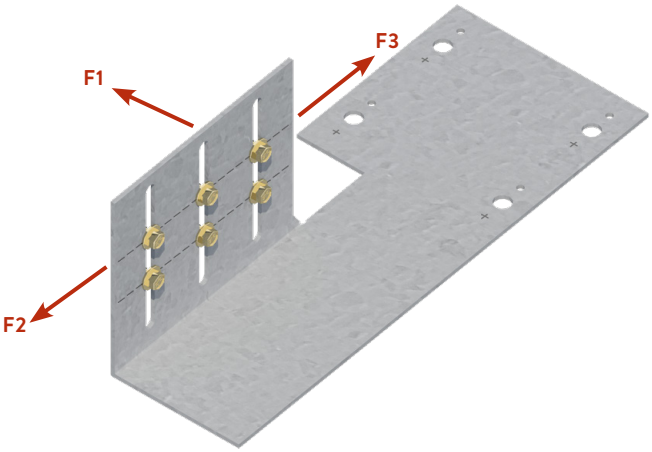
| Clip designation | Thickness | Attachment to Structure | ASD Allowable Loads (lbs) | | |
|---|---|---|---|---|---|
| | | | F1 Load | F2 Load | F3 Load |
| FTSC3-97 97mil (12ga) | 33mil (20ga) | (2) 12-24 Fasteners to 3/16" Steel | 110 | 416 | 388 |
| | 43mil (18ga) | | 144 | 548 | 397 |
| | 54mil (16ga) | | 258 | 716 | 596 |
| | 68mil (14ga) | | 258 | 716 | 673 |
| | 97mil (12ga) | | 258 | 716 | 699 |
| | 33mil (20ga) | (4) 12-24 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) 12-24 Fasteners to 3/16" Steel | 110 | 607 | 406 |
| | 43mil (18ga) | | 144 | 763 | 603 |
| | 54mil (16ga) | | 261 | 763 | 763 |
| | 68mil (14ga) | | 276 | 763 | 763 |
| | 97mil (12ga) | | 276 | 763 | 763 |
| | 33mil (20ga) | (4) 12-24 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) 12-24 Fasteners to 3/16" Steel | 165 | 716 | 551 |
| | 43mil (18ga) | | 216 | 716 | 716 |
| | 54mil (16ga) | | 239 | 716 | 716 |
| | 68mil (14ga) | | 239 | 716 | 716 |
| | 97mil (12ga) | | 239 | 716 | 716 |
| | 33mil (20ga) | (4) 12-24 Fasteners to 3/16" Steel | 165 | 869 | 594 |
| | 43mil (18ga) | | 216 | 959 | 755 |
| | 54mil (16ga) | | 392 | 1057 | 930 |
| | 68mil (14ga) | | 476 | 1096 | 1055 |
| | 97mil (12ga) | | 541 | 1096 | 1096 |
| FTSC6-118 118mil (10ga) | 33mil (20ga) | (2) 12-24 Fasteners to 3/16" Steel | 165 | 763 | 594 |
| | 43mil (18ga) | | 216 | 763 | 763 |
| | 54mil (16ga) | | 256 | 763 | 763 |
| | 68mil (14ga) | | 256 | 763 | 763 |
| | 97mil (12ga) | | 256 | 763 | 763 |
| | 33mil (20ga) | (4) 12-24 Fasteners to 3/16" Steel | 165 | 953 | 594 |
| | 43mil (18ga) | | 216 | 1145 | 891 |
| | 54mil (16ga) | | 392 | 1145 | 1145 |
| | 68mil (14ga) | | 492 | 1145 | 1145 |
| | 97mil (12ga) | | 576 | 1145 | 1145 |




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 #12-24 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 12-24 Fasteners are based on screw strengths listed in ICC ESR-1976.

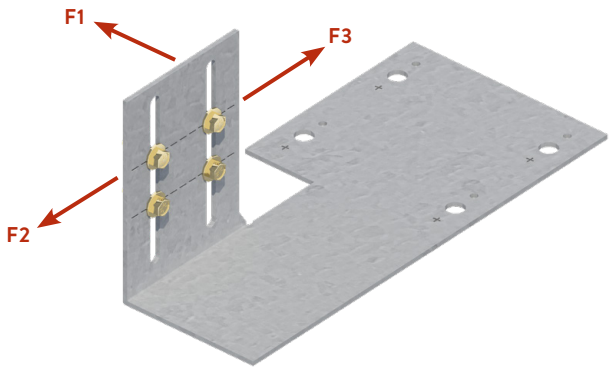
7 It is the responsibility of the design professional to detail the attachment of the clips and verify that their capacity meets the requirements of the intended application.

# FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

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

## 3-5/8" Flat Tail Slide Clip™ (FTSC3)

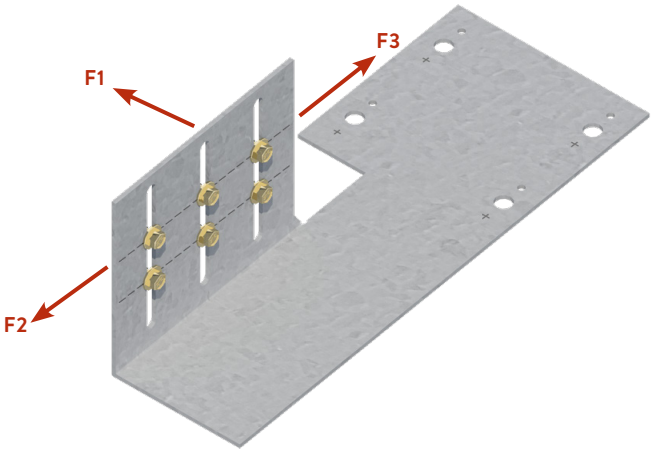
| Clip designation | Thickness | Attachment to Structure | ASD Allowable Loads (lbs) | | |
|---|---|---|---|---|---|
| | | | F1 Load | F2 Load | F3 Load |
| FTSC3-97 97mil (12ga) | 33mil (20ga) | (2) 0.157" PAFs in 3/16" Steel | 110 | 416 | 388 |
| | 43mil (18ga) | | 144 | 548 | 397 |
| | 54mil (16ga) | | 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.

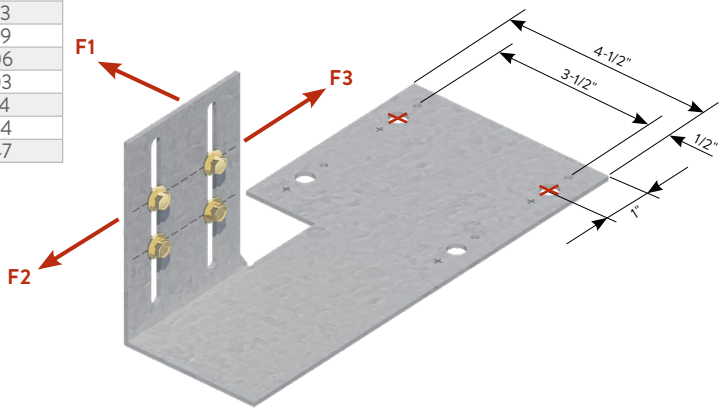
**7** It is the responsibility of the design professional to detail the attachment of the clips and verify that their capacity meets the requirements of the intended application.

# FLAT TAIL SLIDE CLIP™ (FTSC) - DESIGN GUIDE

ATTACHMENT TO STRUCTURE **HILTI KWIK IN CONCRETE**

## 3-5/8" Flat Tail Slide Clip™ (FTSC3)

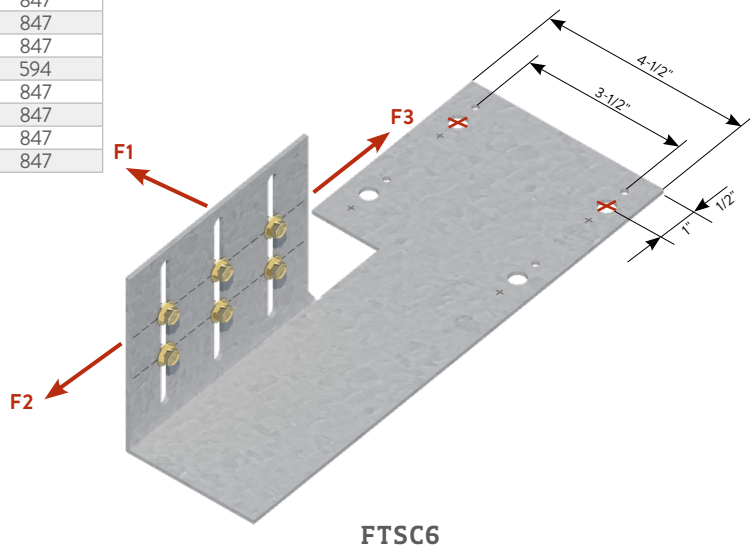
| Clip designation | Thickness | Attachment to Structure | ASD Allowable Loads (lbs) | | |
|---|---|---|---|---|---|
| | | | F1 Load | F2 Load | F3 Load |
| FTSC3-97 12ga (97mil) | 33mil (20ga) | (2) 1/4" Hilti KWIK HUS-EZ (2-1/2" Embedment into 3000 psi uncracked concrete) | 110 | 416 | 388 |
| | 43mil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




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 12ga (97mil) | 33mil (20ga) | (2) 1/4" Hilti KWIK HUS-EZ (2-1/2" Embedment into 3000 psi uncracked concrete) | 165 | 845 | 551 |
| | 43mil (18ga) | | 216 | 847 | 724 |
| | 54mil (16ga) | | 277 | 847 | 847 |
| | 68mil (14ga) | | 277 | 847 | 847 |
| | 97mil (12ga) | | 277 | 847 | 847 |
| FTSC6-118 10ga (118mil) | 33mil (20ga) | (2) 1/4" Hilti KWIK HUS-EZ (2-1/2" Embedment into 3000 psi uncracked concrete) | 165 | 847 | 594 |
| | 43mil (18ga) | | 216 | 847 | 847 |
| | 54mil (16ga) | | 277 | 847 | 847 |
| | 68mil (14ga) | | 277 | 847 | 847 |
| | 97mil (12ga) | | 277 | 847 | 847 |




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" 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.